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Thu Sep 11 16:16:48 2003

us-09-688-459-11.ral

Page 1

GenCore version 5.1.6  
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OK protein - protein search, using sw model

Run on: September 11, 2003, 03:20:09 ; Search time 21 Seconds  
(without alignments)  
592.352 million cell updates/sec

Title: US-09-688-459-11  
Perfect score: 1561  
Sequence: 1 GYHGEPLHPAPSAPAPAPPP.....LDDPDQATYFGAFKWDID 294

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA.\*  
1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/6C.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/6D.COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	1561	100.0	294	3	US-08-996-139-11 Sequence 11, Appl
2	1561	100.0	294	3	US-08-995-659-11 Sequence 11, Appl
3	1561	100.0	294	3	US-09-215-649A-11 Sequence 11, Appl
4	1561	100.0	294	4	US-09-577-780-11 Sequence 11, Appl
5	1561	100.0	294	4	US-09-577-800-11 Sequence 11, Appl
6	1561	100.0	294	4	US-09-466-496-11 Sequence 11, Appl
7	1561	100.0	294	4	US-09-871-856-11 Sequence 11, Appl
8	1561	100.0	294	4	US-09-871-291-11 Sequence 11, Appl
9	1554	99.6	316	2	US-08-842-842-7 Sequence 7, Appl
10	1554	99.6	316	2	US-08-989-362-2 Sequence 2, Appl
11	1554	99.6	316	4	US-09-052-521C-2 Sequence 2, Appl
12	1554	99.6	316	4	US-09-671-658A-2 Sequence 2, Appl
13	1326.5	85.0	317	3	US-08-998-139-13 Sequence 13, Appl
14	1326.5	85.0	317	3	US-08-995-659-13 Sequence 13, Appl
15	1326.5	85.0	317	3	US-09-215-649A-13 Sequence 13, Appl
16	1326.5	85.0	317	4	US-09-577-780-13 Sequence 13, Appl
17	1326.5	85.0	317	4	US-09-577-800-13 Sequence 13, Appl
18	1326.5	85.0	317	4	US-09-466-496-13 Sequence 13, Appl
19	1326.5	85.0	317	4	US-09-871-856-13 Sequence 13, Appl
20	1326.5	85.0	317	4	US-09-871-291-13 Sequence 13, Appl
21	1326.5	85.0	317	4	US-09-632-287A-10 Sequence 10, Appl
22	422	27.0	77	4	US-09-871-291-11 Sequence 11, Appl
23	353	23.3	77	4	US-09-632-287A-11 Sequence 11, Appl
24	258.5	16.6	279	4	US-09-072-993C-3 Sequence 3, Appl
25	258.5	16.6	281	3	US-08-670-354-2 Sequence 2, Appl
26	258.5	16.6	281	3	US-08-584-031-1 Sequence 1, Appl
27	258.5	16.6	281	3	US-08-780-496-1 Sequence 1, Appl

28	258.5	16.6	281	3	US-08-883-086-10 Sequence 10, Appl
29	258.5	16.6	281	3	US-09-320-424-2 Sequence 2, Appl
30	258.5	16.6	281	3	US-09-333-593A-6 Sequence 6, Appl
31	258.5	16.6	281	4	US-09-157-864-11 Sequence 11, Appl
32	258.5	16.6	281	4	US-09-825-563-2 Sequence 2, Appl
33	258.5	16.6	281	4	US-10-039-785-66 Sequence 66, Appl
34	258.5	16.6	281	5	PCT-US96-10895-2 Sequence 2, Appl
35	251	16.1	291	1	US-08-670-354-6 Sequence 6, Appl
36	251	16.1	291	3	US-09-320-424-6 Sequence 6, Appl
37	251	16.1	291	4	US-09-825-563-6 Sequence 6, Appl
38	251	16.1	291	5	PCT-US96-10895-6 Sequence 6, Appl
39	239	15.3	256	3	US-09-320-424-13 Sequence 13, Appl
40	239	15.3	256	4	US-09-825-563-13 Sequence 13, Appl
41	235.5	15.1	253	3	US-09-320-424-11 Sequence 11, Appl
42	235.5	15.1	253	4	US-09-825-563-11 Sequence 11, Appl
43	229.5	14.7	177	3	US-09-105-343A-7 Sequence 7, Appl
44	228.5	14.6	161	4	US-09-565-423-7 Sequence 7, Appl
45	224	14.3	183	3	US-09-105-343A-8 Sequence 8, Appl

#### ALIGNMENTS

RESULT 1  
US-08-996-139-11  
Sequence 11, Application US/08996139  
Patent No. 6017729  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Gallbert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/996,139  
FILING DATE: 22 DECEMBER 1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 60/064,671  
FILING DATE: 14 OCTOBER 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 294 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-996-139-11

Query Match 100.0%; Score 1561; DB 3; Length 294;  
Best Local Similarity 100.0%; Pred. No. 5e-153;  
Matches 294; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GVPHEGPIHPAPASAPAPAPASASMSFLLALGIGLQVCSIALFLYFRAQMDPNRISE 60  
DB 1 GVPHEGPIHPAPASAPAPAPASASMSFLLALGIGLQVCSIALFLYFRAQMDPNRISE 60  
QY 61 DSTHCFYILRLHENADLDSTLESDTLDPSCRRMKAQOGAVOKELQHTVGPORFSGA 120  
DB 61 DSTHCFYILRLHENADLDSTLESDTLDPSCRRMKAQOGAVOKELQHTVGPORFSGA 120  
QY 121 PAMEGSLDVAQKGPAPAPFAHLLTNAASIPSGSHKVTLSWYHDSGMAKISNMTLSN 180  
DB 121 PAMEGSLDVAQKGPAPAPFAHLLTNAASIPSGSHKVTLSWYHDSGMAKISNMTLSN 180  
QY 181 GKLAVNODGFYLLYANICFRHHTSGSVPTDYQLWVYVYKTSIKIPSSHNLKKGSTKN 240  
DB 181 GKLAVNODGFYLLYANICFRHHTSGSVPTDYQLWVYVYKTSIKIPSSHNLKKGSTKN 240  
QY 241 WSGNSEHFYSINVGCFKRLAGEEISIOVSNPSLLDPDQDATYFGAFKVDID 294  
DB 241 WSGNSEHFYSINVGCFKRLAGEEISIOVSNPSLLDPDQDATYFGAFKVDID 294

RESULT 2  
US-08-995-659-11  
Sequence 11, Application US/08995659  
Patent No. 6242213  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Galibert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/995, 659  
FILING DATE: 22 DECEMBER 1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 60/064, 671  
FILING DATE: 14 OCTOBER 1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/813, 509  
FILING DATE: 07 MARCH 1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/772, 330  
FILING DATE: 23 DECEMBER 1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)233-0644  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 294 amino acids

TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-995-659-11

Query Match 100.0%; Score 1561; DB 3; Length 294;  
Best Local Similarity 100.0%; Pred. No. 5e-153;  
Matches 294; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GVPHEGPIHPAPASAPAPAPASASMSFLLALGIGLQVCSIALFLYFRAQMDPNRISE 60  
DB 1 GVPHEGPIHPAPASAPAPAPASASMSFLLALGIGLQVCSIALFLYFRAQMDPNRISE 60  
QY 61 DSTHCFYILRLHENADLDSTLESDTLDPSCRRMKAQOGAVOKELQHTVGPORFSGA 120  
DB 61 DSTHCFYILRLHENADLDSTLESDTLDPSCRRMKAQOGAVOKELQHTVGPORFSGA 120  
QY 121 PAMEGSLDVAQKGPAPAPFAHLLTNAASIPSGSHKVTLSWYHDSGMAKISNMTLSN 180  
DB 121 PAMEGSLDVAQKGPAPAPFAHLLTNAASIPSGSHKVTLSWYHDSGMAKISNMTLSN 180  
QY 181 GKLAVNODGFYLLYANICFRHHTSGSVPTDYQLWVYVYKTSIKIPSSHNLKKGSTKN 240  
DB 181 GKLAVNODGFYLLYANICFRHHTSGSVPTDYQLWVYVYKTSIKIPSSHNLKKGSTKN 240  
QY 241 WSGNSEHFYSINVGCFKRLAGEEISIOVSNPSLLDPDQDATYFGAFKVDID 294  
DB 241 WSGNSEHFYSINVGCFKRLAGEEISIOVSNPSLLDPDQDATYFGAFKVDID 294

RESULT 3  
US-09-215-649A-11  
Sequence 11, Application US/09215649A  
Patent No. 6271349  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Galibert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/215, 649A  
FILING DATE: 17-Dec-1998  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/996, 139  
FILING DATE: <Unknown>  
APPLICATION NUMBER: USSN 08/813, 509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772, 330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)233-0644  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 294 amino acids

TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-09-215-649A-11

Query Match 100.0%; Score 1561; DB 3; Length 294;  
Best Local Similarity 100.0%; Pred. No. 5e-153;  
Matches 294; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GVPHEGRLHPASAPAPAPPASRSMTLALGLGIGVCSIALFLYFRAMPNRISE 60  
DB 1 GVPHEGRLHPASAPAPAPPASRSMTLALGLGIGVCSIALFLYFRAMPNRISE 60  
QY 61 DSTHCFYRILRLHENADLDSTLESEDTLPDSCRRMKAFOGAVOKELQHYVGPFRSGA 120  
DB 61 DSTHCFYRILRLHENADLDSTLESEDTLPDSCRRMKAFOGAVOKELQHYVGPFRSGA 120  
QY 121 PAMEGSWLDVAQGRKPEAPFAHLITNAASIPSGSHKVTLSWYHGRGNAKISNMTLSN 180  
DB 121 PAMEGSWLDVAQGRKPEAPFAHLITNAASIPSGSHKVTLSWYHGRGNAKISNMTLSN 180  
QY 181 GKLRYNODGFYLLANICFRHETSGSVPTDYQLAMVYVYKTSIKIPSSHNLKMGSTKN 240  
DB 181 GKLRYNODGFYLLANICFRHETSGSVPTDYQLAMVYVYKTSIKIPSSHNLKMGSTKN 240  
QY 241 WSGNSEHFHYISINVGFFKRLAGEEISIOVSNPSLDDPDATYFGAFKVDID 294  
DB 241 WSGNSEHFHYISINVGFFKRLAGEEISIOVSNPSLDDPDATYFGAFKVDID 294

## RESULT 4

US-09-577-780-11  
Sequence 11, Application US/09577780  
Patent No. 6419829

## GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.  
Galibert, Laurent  
Maraskovsky, Eugene  
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION NUMBER: US/09/577,780  
FILING DATE: 24-May-2000  
CLASSIFICATION: <unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/995,659  
FILING DATE: <unknown>  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2852-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644

INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:

LENGTH: 294; amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-09-577-780-11

Query Match 100.0%; Score 1561; DB 4; Length 294;  
Best Local Similarity 100.0%; Pred. No. 5e-153;  
Matches 294; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GVPHEGRLHPASAPAPAPPASRSMTLALGLGIGVCSIALFLYFRAMPNRISE 60  
DB 1 GVPHEGRLHPASAPAPAPPASRSMTLALGLGIGVCSIALFLYFRAMPNRISE 60  
QY 61 DSTHCFYRILRLHENADLDSTLESEDTLPDSCRRMKAFOGAVOKELQHYVGPFRSGA 120  
DB 61 DSTHCFYRILRLHENADLDSTLESEDTLPDSCRRMKAFOGAVOKELQHYVGPFRSGA 120  
QY 121 PAMEGSWLDVAQGRKPEAPFAHLITNAASIPSGSHKVTLSWYHGRGNAKISNMTLSN 180  
DB 121 PAMEGSWLDVAQGRKPEAPFAHLITNAASIPSGSHKVTLSWYHGRGNAKISNMTLSN 180  
QY 181 GKLRYNODGFYLLANICFRHETSGSVPTDYQLAMVYVYKTSIKIPSSHNLKMGSTKN 240  
DB 181 GKLRYNODGFYLLANICFRHETSGSVPTDYQLAMVYVYKTSIKIPSSHNLKMGSTKN 240  
QY 241 WSGNSEHFHYISINVGFFKRLAGEEISIOVSNPSLDDPDATYFGAFKVDID 294  
DB 241 WSGNSEHFHYISINVGFFKRLAGEEISIOVSNPSLDDPDATYFGAFKVDID 294

## RESULT 5

US-09-577-800-11  
Sequence 11, Application US/09577800  
Patent No. 6479635

## GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.  
Galibert, Laurent  
Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION NUMBER: US/09/577,800  
FILING DATE: 24-MAY-2000  
CLASSIFICATION:

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/996,139  
FILING DATE: 22 DECEMBER 1997  
APPLICATION NUMBER: USSN 60/064,671  
FILING DATE: 14 OCTOBER 1997  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693

INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:

REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
FAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 294 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-577-800-11

Query Match 100.0%; Score 1561; DB 4; Length 294;  
Best Local Similarity 100.0%; Pred. No. 5e-153;  
Matches 294; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GVPHEGLHPAPSPAPAPAPASRSWFLALLGLIGQVVCSTALFLYRAQMDPRRISE 60  
DB 1 GVPHEGLHPAPSPAPAPAPASRSWFLALLGLIGQVVCSTALFLYRAQMDPRRISE 60  
QY 61 DSTHCFYRILRLHENDLDOSTLESEDTLPDSCRKKAFOGAVOKELQHYGPORFSGA 120  
DB 61 DSTHCFYRILRLHENDLDOSTLESEDTLPDSCRKKAFOGAVOKELQHYGPORFSGA 120  
QY 121 PAMGESSMLDVAORGRPEAOPFAHLITNAASIPSGSHKVTLSWYHDKMAKISMTLSN 180  
DB 121 PAMGESSMLDVAORGRPEAOPFAHLITNAASIPSGSHKVTLSWYHDKMAKISMTLSN 180  
QY 181 GKLAVNODGFYLLYANICFRHNETSGSVPTDYLQLMVYVYKSTIKIPSSHNLKMGSGTKN 240  
DB 181 GKLAVNODGFYLLYANICFRHNETSGSVPTDYLQLMVYVYKSTIKIPSSHNLKMGSGTKN 240  
QY 241 WSGNSEFHYSINVGGEFFLRAGEEISTOVSNPSLLDPDODATYFGAKRVODID 294  
DB 241 WSGNSEFHYSINVGGEFFLRAGEEISTOVSNPSLLDPDODATYFGAKRVODID 294

## RESULT 5

US-09-466-496-11  
Sequence 11, Application US/09466496  
Patent No. 6528482

## GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.  
Galibert, Laurent  
Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/466,496  
FILING DATE: 17-Dec-1999  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/996,139  
FILING DATE: 22 DECEMBER 1997  
APPLICATION NUMBER: USSN 60/064,671  
FILING DATE: 14 OCTOBER 1997  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
FAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 294 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 11:

US-09-466-496-11  
Query Match 100.0%; Score 1561; DB 4; Length 294;  
Best Local Similarity 100.0%; Pred. No. 5e-153;  
Matches 294; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GVPHEGLHPAPSPAPAPAPASRSWFLALLGLIGQVVCSTALFLYRAQMDPRRISE 60  
DB 1 GVPHEGLHPAPSPAPAPAPASRSWFLALLGLIGQVVCSTALFLYRAQMDPRRISE 60  
QY 61 DSTHCFYRILRLHENDLDOSTLESEDTLPDSCRKKAFOGAVOKELQHYGPORFSGA 120  
DB 61 DSTHCFYRILRLHENDLDOSTLESEDTLPDSCRKKAFOGAVOKELQHYGPORFSGA 120  
QY 121 PAMGESSMLDVAORGRPEAOPFAHLITNAASIPSGSHKVTLSWYHDKMAKISMTLSN 180  
DB 121 PAMGESSMLDVAORGRPEAOPFAHLITNAASIPSGSHKVTLSWYHDKMAKISMTLSN 180  
QY 181 GKLAVNODGFYLLYANICFRHNETSGSVPTDYLQLMVYVYKSTIKIPSSHNLKMGSGTKN 240  
DB 181 GKLAVNODGFYLLYANICFRHNETSGSVPTDYLQLMVYVYKSTIKIPSSHNLKMGSGTKN 240  
QY 241 WSGNSEFHYSINVGGEFFLRAGEEISTOVSNPSLLDPDODATYFGAKRVODID 294  
DB 241 WSGNSEFHYSINVGGEFFLRAGEEISTOVSNPSLLDPDODATYFGAKRVODID 294

## RESULT 7

US-09-871-856-11  
Sequence 11, Application US/09871856  
Patent No. 6537763

## GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.  
Galibert, Laurent  
Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/871,856  
FILING DATE: 31-May-2001  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 08/996,139  
FILING DATE: <Unknown>  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996

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Page 5

ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 294 amino acids  
TYPE: amino acid  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-09-871-856-11

Query Match 100.0%; Score 1561; DB 4; Length 294;  
Best Local Similarity 100.0%; Pred. No. 5e-153;  
Matches 294; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GVPHEGRLHPAPAPAPAPAPASRMFLALGLGQVVCIALFLYFRAQMDPNRISE 60  
DB 1 GVPHEGRLHPAPAPAPAPAPASRMFLALGLGQVVCIALFLYFRAQMDPNRISE 60  
QY 61 DSTHCFYRLRLHENADLDSTLESEDLPDSCRKMKAFQGA VOKELQHYVGPORFSGA 120  
DB 61 DSTHCFYRLRLHENADLDSTLESEDLPDSCRKMKAFQGA VOKELQHYVGPORFSGA 120  
QY 121 PAMMGSMVDVQKRPKPEAPPAHLTINASIPSGSHKVTLSMYHDSGMAKISMNTLSN 180  
DB 121 PAMMGSMVDVQKRPKPEAPPAHLTINASIPSGSHKVTLSMYHDSGMAKISMNTLSN 180  
QY 181 GRLRVNODGFYLLYANICFRHETSGSVPTDYLQLMYVVTSTIKIPSSHLMKGGSTKN 240  
DB 181 GRLRVNODGFYLLYANICFRHETSGSVPTDYLQLMYVVTSTIKIPSSHLMKGGSTKN 240  
QY 241 MSGNSEFHFYSINVGFFKLRAGEISIQVSNPSILDDPDQDATYFGAFKQVDD 294  
DB 241 MSGNSEFHFYSINVGFFKLRAGEISIQVSNPSILDDPDQDATYFGAFKQVDD 294

RESULT 8

US-09-871-291-11  
Sequence 11, Application US/09871291  
Patent No. 6562848

GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.  
Galibert, Laurent

Marasovsky, Eugene

TITLE OF INVENTION: Receptor Activator of NF-kappaB

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101

COUNTRY: USA

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Power Macintosh

OPERATING SYSTEM: Apple Operating System 7.5.5

SOFTWARE: Microsoft Word for Power Macintosh 6.0.1

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/871,291  
FILING DATE: 30-May-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/996,139

FILING DATE: <Unknown>

APPLICATION NUMBER: USSN 08/813,509

FILING DATE: 07 MARCH 1997

APPLICATION NUMBER: USSN 08/772,330

FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 294 amino acids  
TYPE: amino acid  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-09-871-291-11

Query Match 100.0%; Score 1561; DB 4; Length 294;  
Best Local Similarity 100.0%; Pred. No. 5e-153;  
Matches 294; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GVPHEGRLHPAPAPAPAPAPASRMFLALGLGQVVCIALFLYFRAQMDPNRISE 60  
DB 1 GVPHEGRLHPAPAPAPAPAPASRMFLALGLGQVVCIALFLYFRAQMDPNRISE 60  
QY 61 DSTHCFYRLRLHENADLDSTLESEDLPDSCRKMKAFQGA VOKELQHYVGPORFSGA 120  
DB 61 DSTHCFYRLRLHENADLDSTLESEDLPDSCRKMKAFQGA VOKELQHYVGPORFSGA 120  
QY 121 PAMMGSMVDVQKRPKPEAPPAHLTINASIPSGSHKVTLSMYHDSGMAKISMNTLSN 180  
DB 121 PAMMGSMVDVQKRPKPEAPPAHLTINASIPSGSHKVTLSMYHDSGMAKISMNTLSN 180  
QY 181 GRLRVNODGFYLLYANICFRHETSGSVPTDYLQLMYVVTSTIKIPSSHLMKGGSTKN 240  
DB 181 GRLRVNODGFYLLYANICFRHETSGSVPTDYLQLMYVVTSTIKIPSSHLMKGGSTKN 240  
QY 241 MSGNSEFHFYSINVGFFKLRAGEISIQVSNPSILDDPDQDATYFGAFKQVDD 294  
DB 241 MSGNSEFHFYSINVGFFKLRAGEISIQVSNPSILDDPDQDATYFGAFKQVDD 294

RESULT 9

US-08-842-842-7  
Sequence 7, Application US/08842842  
Patent No. 5843678

GENERAL INFORMATION:

APPLICANT: Boyle, William J.

TITLE OF INVENTION: OSTEOPROTEGERIN BINDING PROTEINS

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amgen Inc.  
STREET: 1840 Dehavenland Drive  
CITY: Thousand Oaks  
STATE: California  
COUNTRY: USA  
ZIP: 91230-1789

COUNTRY: USA

ZIP: 91230-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/842,842  
FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.

REFERENCE/DOCKET NUMBER: A-451

INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 316 amino acids  
TYPE: amino acid

TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-842-842-7

Query Match: 99.6%; Score 1554; DB 2; Length 316;  
Best Local Similarity 99.7%; Pred. No. 3e-152;  
Matches 293; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GVPHEGFLHPAPSAAPAPPAASRSMLALGIGLGVVCSIALFLYFAQNDPNRIS 60  
DB 23 GVPHEGFLHPAPSAAPAPPAASRSMLALGIGLGVVCSIALFLYFAQNDPNRIS 82  
QY 61 DSTHCFYRILRLHENAQLDSTLESEDTLPDSCRMRKQAFQAVOKELQIVGPOFSGA 120  
DB 83 DSTHCFYRILRLHENAQLDSTLESEDTLPDSCRMRKQAFQAVOKELQIVGPOFSGA 142  
QY 121 PAMWEGSLDVAORGRPEAOPFAHLITINAASIPSGSKRYLSSWYHDRGNAKISNMTLSN 180  
DB 143 PAMWEGSLDVAORGRPEAOPFAHLITINAASIPSGSKRYLSSWYHDRGNAKISNMTLSN 202  
QY 181 GKLRVNDGFFYYLYANICFRHNETSGSVPTDYQLMAYVYVKTSIKIPSSHNLKKGSTKN 240  
DB 203 GKLRVNDGFFYYLYANICFRHNETSGSVPTDYQLMAYVYVKTSIKIPSSHNLKKGSTKN 262  
QY 241 WSGNSEHFHYSINVGFFKLRAGEEISIOVSNPSLLDPDQATYFGAFKVDID 294  
DB 263 WSGNSEHFHYSINVGFFKLRAGEEISIOVSNPSLLDPDQATYFGAFKVDID 316

RESULT 10

US-08-989-362-2  
Sequence 2, Application US/08989362  
Patent No. 6242586  
GENERAL INFORMATION:  
APPLICANT: Gorman, Daniel M.  
TITLE OF INVENTION: Mammalian Cell Surface Antigens; Related  
NUMBER OF INVENTION: Reagents  
CORRESPONDENCE ADDRESS:  
ADDRESS: DNA Research Institute  
STREET: 901 California Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94304-1104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/989,362  
FILING DATE: 12-DEC-1997  
CLASSIFICATION: 56  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/032,846  
FILING DATE: 13-DEC-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Ching, Edwin P.  
REGISTRATION NUMBER: 34,090  
REFERENCE/DOCKET NUMBER: DX0686  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650)852-9196  
TELEFAX: (650)466-1204  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 315 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-989-362-2

Query Match: 99.6%; Score 1554; DB 3; Length 316;  
Best Local Similarity 99.7%; Pred. No. 3e-152;  
Matches 293; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GVPHEGFLHPAPSAAPAPPAASRSMLALGIGLGVVCSIALFLYFAQNDPNRIS 60  
DB 23 GVPHEGFLHPAPSAAPAPPAASRSMLALGIGLGVVCSIALFLYFAQNDPNRIS 82  
QY 61 DSTHCFYRILRLHENAQLDSTLESEDTLPDSCRMRKQAFQAVOKELQIVGPOFSGA 120  
DB 83 DSTHCFYRILRLHENAQLDSTLESEDTLPDSCRMRKQAFQAVOKELQIVGPOFSGA 142  
QY 121 PAMWEGSLDVAORGRPEAOPFAHLITINAASIPSGSKRYLSSWYHDRGNAKISNMTLSN 180  
DB 143 PAMWEGSLDVAORGRPEAOPFAHLITINAASIPSGSKRYLSSWYHDRGNAKISNMTLSN 202  
QY 181 GKLRVNDGFFYYLYANICFRHNETSGSVPTDYQLMAYVYVKTSIKIPSSHNLKKGSTKN 240  
DB 203 GKLRVNDGFFYYLYANICFRHNETSGSVPTDYQLMAYVYVKTSIKIPSSHNLKKGSTKN 262  
QY 241 WSGNSEHFHYSINVGFFKLRAGEEISIOVSNPSLLDPDQATYFGAFKVDID 294  
DB 263 WSGNSEHFHYSINVGFFKLRAGEEISIOVSNPSLLDPDQATYFGAFKVDID 316

RESULT 11

US-09-052-521C-2  
Sequence 2, Application US/09052521C  
Patent No. 6316408  
GENERAL INFORMATION:  
APPLICANT: Boyle, William J.  
TITLE OF INVENTION: Osteoprotegerin Binding Proteins and Receptors  
FILE REFERENCE: A-451BY  
CURRENT APPLICATION NUMBER: US/09/052,521C  
PRIOR FILING DATE: 1998-03-30  
PRIOR APPLICATION NUMBER: 08/880,855  
PRIOR FILING DATE: 1997-06-23  
PRIOR APPLICATION NUMBER: 08/842,842  
NUMBER OF SEQ ID NOS: 40  
SOFTWARE: Patent Ver. 2.1  
SEQ ID NO 2  
LENGTH: 316  
TYPE: PRT  
ORGANISM: Mouse  
US-09-052-521C-2

Query Match: 99.6%; Score 1554; DB 4; Length 316;  
Best Local Similarity 99.7%; Pred. No. 3e-152;  
Matches 293; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GVPHEGFLHPAPSAAPAPPAASRSMLALGIGLGVVCSIALFLYFAQNDPNRIS 60  
DB 23 GVPHEGFLHPAPSAAPAPPAASRSMLALGIGLGVVCSIALFLYFAQNDPNRIS 82  
QY 61 DSTHCFYRILRLHENAQLDSTLESEDTLPDSCRMRKQAFQAVOKELQIVGPOFSGA 120  
DB 83 DSTHCFYRILRLHENAQLDSTLESEDTLPDSCRMRKQAFQAVOKELQIVGPOFSGA 142  
QY 121 PAMWEGSLDVAORGRPEAOPFAHLITINAASIPSGSKRYLSSWYHDRGNAKISNMTLSN 180  
DB 143 PAMWEGSLDVAORGRPEAOPFAHLITINAASIPSGSKRYLSSWYHDRGNAKISNMTLSN 202  
QY 181 GKLRVNDGFFYYLYANICFRHNETSGSVPTDYQLMAYVYVKTSIKIPSSHNLKKGSTKN 240  
DB 203 GKLRVNDGFFYYLYANICFRHNETSGSVPTDYQLMAYVYVKTSIKIPSSHNLKKGSTKN 262  
QY 241 WSGNSEHFHYSINVGFFKLRAGEEISIOVSNPSLLDPDQATYFGAFKVDID 294  
DB 263 WSGNSEHFHYSINVGFFKLRAGEEISIOVSNPSLLDPDQATYFGAFKVDID 316

RESULT 12





RESULT 14  
US-08-995-659-13  
Sequence 13, Application US/08995659  
Patent No. 6242213  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Galibert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/995,659  
FILING DATE: 22 DECEMBER 1997  
CLASSIFICATION:  
APPLICATION NUMBER: USSN 60/064,671  
FILING DATE: 14 OCTOBER 1997  
CLASSIFICATION:  
APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2852-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-995-659-13

Query Match 85.0%; Score 1326.5; DB 3; Length 317;  
Best Local Similarity 84.5%; Pred. No. 9.4e-129;  
Matches 250; Conservative 16; Mismatches 27; Indels 3; Gaps 2;

QY 1 GVPHEGPIHPAPSAAPAPPAASRSMPFALLGIGLQVCSIALFLYFRANDPNRISE 60  
DB 23 GAPHEGPIHP-APPAPAPHPAPPAASRSMPFALLGIGLQVCSIALFLYFRANDPNRISE 81  
QY 61 DSTHCFYRIILRHENADLODSTLESEDT--LPDSCRMKAFOGAVOKELQHTVGSQHR 118  
DB 82 DGTCHYIRILRHENADFODTTLESQDTKLIPSCRRIKAFOGAVOKELQHTVGSQHR 141  
QY 119 GAPAMMGSLDVAKRKPEAOPFAHLTINAASIPSGSHKVTLSWYHGRGAKISNMFL 178  
DB 142 AEKAMVDGSLDLAKRKLEAOPFAHLTINATDIPSGSHKVTLSWYHGRGAKISNMFL 201  
QY 179 SNGKLIVNODGFYLLANICFRHETSGSVPTDYLDLAMYVVTSTIKIPSSHLMKGGST 238  
DB 202 SNGKLIVNODGFYLLANICFRHETSGDLATEYLDLAMYVVTSTIKIPSSHLMKGGST 261

QY 239 KMWGSEHFYFYSINVGCFKLRAGERISTOVNSPILDDQDQATYRGAKVODID 294  
DB 262 KMWGSEHFYFYSINVGCFKLRAGERISTOVNSPILDDQDQATYRGAKVODID 317

RESULT 15  
US-09-215-649A-13  
Sequence 13, Application US/09215649A  
Patent No. 6271349  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Galibert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/215,649A  
FILING DATE: 17-Dec-1998  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/996,139  
FILING DATE: <Unknown>  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-09-215-649A-13

Query Match 85.0%; Score 1326.5; DB 3; Length 317;  
Best Local Similarity 84.5%; Pred. No. 9.4e-129;  
Matches 250; Conservative 16; Mismatches 27; Indels 3; Gaps 2;

QY 1 GVPHEGPIHPAPSAAPAPPAASRSMPFALLGIGLQVCSIALFLYFRANDPNRISE 60  
DB 23 GAPHEGPIHP-APPAPAPHPAPPAASRSMPFALLGIGLQVCSIALFLYFRANDPNRISE 81  
QY 61 DSTHCFYRIILRHENADLODSTLESEDT--LPDSCRMKAFOGAVOKELQHTVGSQHR 118  
DB 82 DGTCHYIRILRHENADFODTTLESQDTKLIPSCRRIKAFOGAVOKELQHTVGSQHR 141  
QY 119 GAPAMMGSLDVAKRKPEAOPFAHLTINAASIPSGSHKVTLSWYHGRGAKISNMFL 178  
DB 142 AEKAMVDGSLDLAKRKLEAOPFAHLTINATDIPSGSHKVTLSWYHGRGAKISNMFL 201  
QY 179 SNGKLIVNODGFYLLANICFRHETSGSVPTDYLDLAMYVVTSTIKIPSSHLMKGGST 238  
DB 202 SNGKLIVNODGFYLLANICFRHETSGDLATEYLDLAMYVVTSTIKIPSSHLMKGGST 261

Thu Sep 11 16:16:48 2003

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Page 9

27 239 KNMSGNSEFHFYSINVGFEKLRAGEEISIOVSNPSLDPDQDATYFGAFKVDID 294  
DB 262 KNMSGNSEFHFYSINVGFEKLRAGEEISIEVSNPSLDPDQDATYFGAFKVDID 317

Search completed: September 11, 2003, 08:53:02  
Job time: 23 secs

Thu Sep 11 16:16:49 2003

us-09-688-459-11.rapb

Page 1

GenCore version 5.1.6  
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CM protein - protein search, using sw model

Run on: September 11, 2003, 08:30:21 : Search time 195 Seconds  
(without alignments)  
219.991 Million cell updates/sec

Title: US-09-688-459-11

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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 541936 seqs, 145912426 residues

Total number of hits satisfying chosen parameters: 541936

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries.

Database:

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
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- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_NEW\_PUB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
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- 17: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1561	100.0	294	9	US-09-871-856-11
2	1561	100.0	294	10	US-09-877-650-11
3	1554	99.6	316	11	US-09-879-569-7
4	1554	99.6	316	12	US-10-326-052-2
5	1554	99.6	316	14	US-10-017-910-4
6	1554	99.6	316	15	US-10-105-057-2
7	1554	99.6	316	15	US-10-272-411-19
8	1554	99.6	316	15	US-10-328-19
9	1326.5	85.0	317	9	US-09-813-329-7
10	1326.5	85.0	317	9	US-09-877-650-13
11	1326.5	85.0	317	15	US-10-218-547-22
12	1326.5	85.0	317	15	US-10-017-910-2
13	1108	71.0	245	14	US-09-779-050A-14
14	855	54.8	160	10	US-09-791-153A-76
15	830	53.2	170	11	US-09-791-153A-76

16	768	49.2	160	10	US-09-779-050A-15	Sequence 15, Appl
17	740	47.4	151	12	US-10-338-083-10	Sequence 10, Appl
18	496	31.8	109	9	US-09-911-777-8	Sequence 8, Appl
19	496	31.8	109	15	US-10-045-574A-8	Sequence 8, Appl
20	422	27.0	77	16	US-10-286-696-10	Sequence 10, Appl
21	363	23.3	77	16	US-10-286-696-11	Sequence 11, Appl
22	258.5	16.6	279	14	US-10-066-209-3	Sequence 3, Appl
23	258.5	16.6	281	8	US-08-916-625B-6	Sequence 6, Appl
24	258.5	16.6	281	8	US-08-971-117A-8	Sequence 8, Appl
25	258.5	16.6	281	9	US-09-813-329-17	Sequence 17, Appl
26	258.5	16.6	281	9	US-08-193-663-8	Sequence 8, Appl
27	258.5	16.6	281	10	US-09-934-465-1	Sequence 1, Appl
28	258.5	16.6	281	11	US-09-919-039-118	Sequence 11, Appl
29	258.5	16.6	281	13	US-10-039-785-66	Sequence 66, Appl
30	258.5	16.6	281	14	US-10-011-125-4	Sequence 4, Appl
31	258.5	16.6	281	14	US-10-001-054-54	Sequence 54, Appl
32	258.5	16.6	281	15	US-10-093-766-54	Sequence 54, Appl
33	258.5	16.6	281	15	US-10-174-65A-11	Sequence 11, Appl
34	258.5	16.6	281	15	US-10-151-882-41	Sequence 41, Appl
35	258.5	16.6	281	15	US-10-218-547-20	Sequence 20, Appl
36	251	16.1	291	14	US-10-017-910-6	Sequence 5, Appl
37	236	15.1	296	15	US-10-185-425-5	Sequence 13, Appl
38	232	14.9	246	9	US-09-855-544A-13	Sequence 10, Appl
39	230.5	14.8	168	10	US-09-900-530A-10	Sequence 16, Appl
40	229.5	14.7	166	10	US-09-779-050A-16	Sequence 7, Appl
41	228.5	14.6	161	12	US-10-216-074-7	Sequence 11, Appl
42	228.5	14.6	161	12	US-10-338-083-11	Sequence 17, Appl
43	225	14.4	172	10	US-09-779-050A-17	Sequence 29, Appl
44	220.5	14.1	164	14	US-10-116-378-29	Sequence 78, Appl
45	211	13.5	39	11	US-09-791-153A-78	

#### ALIGNMENTS

RESULT 1  
US-09-871-856-11  
Sequence 11, Application US/09871856  
Patent No. US20020081720A1  
GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.  
Galiberti, Laurent

TITLE OF INVENTION: Receptor Activator of NF-kappaB

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

STREET: Immune Corporation, Law Department  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Power Macintosh

OPERATING SYSTEM: Apple Operating System 7.5.5

SOFTWARE: Microsoft Word for Power Macintosh 6.0.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/871,856

FILING DATE: 31-May-2001

CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/996,139

FILING DATE: <unknown>

APPLICATION NUMBER: USSN 08/813,509

FILING DATE: 07 MARCH 1997

APPLICATION NUMBER: USSN 08/772,330

FILING DATE: 23 DECEMBER 1996

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne

REGISTRATION NUMBER: 34,693

REFERENCE/DOCKET NUMBER: 2851-A

TELECOMMUNICATION INFORMATION:

CONTACT INFORMATION:  
 APPLICANT: Anderson, Dirk M.  
 Galibert, Laurent  
 Maraskovsky, Eugene  
 TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
 NUMBER OF SEQUENCES: 19  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Immunex Corporation, Law Department  
 STREET: 51 University Street  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98101

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: Apple Power Macintosh  
 OPERATING SYSTEM: Apple Operating System 7.5.5  
 SOFTWARE: Microsoft Word for Power Macintosh 6.0.1

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/877, 650  
 FILING DATE: 08-Jun-2001  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/995, 659  
 FILING DATE: 1997-12-22  
 APPLICATION NUMBER: USSN 08/813, 509  
 FILING DATE: 07 MARCH 1997  
 APPLICATION NUMBER: USSN 08/772, 330  
 FILING DATE: 23 DECEMBER 1996

ATTORNEY/AGENT INFORMATION:  
 NAME: Perkins, Patricia Anne  
 REGISTRATION NUMBER: 34,693  
 REFERENCE/DOCKET NUMBER: 2852-A

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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Sequence#7, Application US/09079569  
Publication No. US20030104485A1  
GENERAL INFORMATION:  
APPLICANT: Boyle, William J.  
TITLE OF INVENTION: OSTREOPROTEGERIN BINDING PROTEINS  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amgen Inc.  
STREET: 1840 Dehavenland Drive  
CITY: Thousand Oaks  
STATE: California  
COUNTRY: USA  
ZIP: 91230-1789  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/079,569  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/842,842  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Winter, Robert B.  
REFERENCE/DOCKET NUMBER: A-451  
INFORMATION FOR SEQ. ID NO.: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 316 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

us-09-6888-459-11.rapb

Page 3

Query Match	99.68%	Score 1554;	DB 11;	Length 316
Best Local Similarity	99.78%	Pred. No. 5	26-145;	

[illegible]

Publication No. US20030144480A1  
GENERAL INFORMATION:

INVENTOR: Gorman, Daniel M.  
Mattson, Jeanline D.  
TITLE OF INVENTION: Mammalian Cell Surface Antigens; Related Reagents

NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESS: DMAX Research Institute  
STREET: 901 California Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94304-1104

COMPUTERREADABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.33  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/326,052  
FILING DATE: 23-Dec-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/671,658A  
FILING DATE: 27-Sep-2000  
APPLICATION NUMBER: US/08/989,362  
FILING DATE: 12-DEC-1997  
APPLICATION NUMBER: US 60/032,846  
FILING DATE: 13-DEC-1996  
ATTORNEY/AGENT INFORMATION:

NAME: CHING, Edwin P.  
REGISTRATION NUMBER: 34,090  
REFERENCE/DOCKET NUMBER: DX0686  
TELECOMMUNICATION INFORMATION.

TELEPHONE: (650) 852-9111  
TELEFAX: (650) 496-1204  
INFORMATION FOR SEQ ID NO: 2.

### SEQUENCE CHARACTERISTICS

LENGTH: 316 amino acids

### THE AMINO ACID TOPOLOGY

MOLECULE TYPE: protein

Query Match	99.68;	Score 1554;	DB 12;	Length 316;
Best Local Similarity	99.78;	Pred. No. 5.2e-145;		
Matches 293;	Conservative	0.1e-145;		

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sequence 4, Application US/10017910  
Publication No. US20020159970A1  
GENERAL INFORMATION

APPLICANT: Choi, Yongwon

Mong, Brian  
 Josien, Regis  
 Steinman, Ralph  
 TITLE OF INVENTION: A PROTEIN BELONGING TO THE TMR SUPERFAMILY INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING METHODS OF USE THEREOF  
 NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Kiauber & Jackson  
STREET: 411 Hackensack Avenue, 4th Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA

ZIP: 07601

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/017,910  
FILING DATE: 14-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIORITY DATA:  
APPLICATION NUMBER: US 09/447,322

FILED DATE: 1999-11-22  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26 743

REFERENCE/DOCKET NUMBER: 600-1-200  
ELECTRONIC COMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800

TELEFAX: 201-343-16

LEEA: 133521  
INFORMATION FOR SEO ID NO. 4.

## SEQUENCE CHARACTERISTICS

LENGTH: 316 amino acids

TYPE: amino acid  
TOPOLOGY: linear

MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 4  
US-10-017-910-4

Query Match 99.6%; Score 1554; DB 14; Length 316;  
Best Local Similarity 99.7%; Pred. No. 5.2e-145;  
Matches 293; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1 GVPHEGLHPAPSAAPAPPAASRSMTALLGLGIGVCSIALFLYFRAMPDRRISE 60  
23 GVPHEGLHPAPSAAPAPPAASRSMTALLGLGIGVCSIALFLYFRAMPDRRISE 82  
61 DSTHCFYRLRLHENADLDSTLESEDTLPDSCRMMKQAFQAVOKELQHYVQPRFSGA 120  
83 DSTHCFYRLRLHENADLDSTLESEDTLPDSCRMMKQAFQAVOKELQHYVQPRFSGA 142  
121 PAMMGESMLDVAQRKPEAPPAHLTINAASIPSGSHKVTLSWYHGRGAKISMTLSN 180  
143 PAMMGESMLDVAQRKPEAPPAHLTINAASIPSGSHKVTLSWYHGRGAKISMTLSN 202  
181 GKLRYNODGFYLLYANICFRHHTSGSVPTDYLOLMYVYVTSIKIPSSHLMKGSTKN 240  
203 GKLRYNODGFYLLYANICFRHHTSGSVPTDYLOLMYVYVTSIKIPSSHLMKGSTKN 262  
241 WSGNSEFHFSYINVGCFKRLRAGEEISIOVSNPSILDPDODATYFGAFKYODID 294  
263 WSGNSEFHFSYINVGCFKRLRAGEEISIOVSNPSILDPDODATYFGAFKYODID 316

RESULT 6  
US-10-105-057-2  
Sequence 2, Application US/10105057  
Publication No. US20030013651A1  
GENERAL INFORMATION:  
APPLICANT: Barnes-Jewish Hospital, d/b/a The Jewish Hospital of St. Louis  
TITLE OF INVENTION: STIMULATION OF OSTEOGENESIS USING RANK LIGAND FUSION PROTEINS  
FILE REFERENCE: BJCH 10054.1  
CURRENT APPLICATION NUMBER: US/10/105.057  
CURRENT FILING DATE: 2002-03-22  
PRIOR APPLICATION NUMBER: US 60/277,855  
PRIOR FILING DATE: 2001-03-22  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 316  
TYPE: PRT  
ORGANISM: Mus musculus  
US-10-105-057-2

Query Match 99.6%; Score 1554; DB 15; Length 316;  
Best Local Similarity 99.7%; Pred. No. 5.2e-145;  
Matches 293; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1 GVPHEGLHPAPSAAPAPPAASRSMTALLGLGIGVCSIALFLYFRAMPDRRISE 60  
23 GVPHEGLHPAPSAAPAPPAASRSMTALLGLGIGVCSIALFLYFRAMPDRRISE 82  
61 DSTHCFYRLRLHENADLDSTLESEDTLPDSCRMMKQAFQAVOKELQHYVQPRFSGA 120  
83 DSTHCFYRLRLHENADLDSTLESEDTLPDSCRMMKQAFQAVOKELQHYVQPRFSGA 142  
121 PAMMGESMLDVAQRKPEAPPAHLTINAASIPSGSHKVTLSWYHGRGAKISMTLSN 180  
143 PAMMGESMLDVAQRKPEAPPAHLTINAASIPSGSHKVTLSWYHGRGAKISMTLSN 202  
181 GKLRYNODGFYLLYANICFRHHTSGSVPTDYLOLMYVYVTSIKIPSSHLMKGSTKN 240  
203 GKLRYNODGFYLLYANICFRHHTSGSVPTDYLOLMYVYVTSIKIPSSHLMKGSTKN 262  
241 WSGNSEFHFSYINVGCFKRLRAGEEISIOVSNPSILDPDODATYFGAFKYODID 294  
263 WSGNSEFHFSYINVGCFKRLRAGEEISIOVSNPSILDPDODATYFGAFKYODID 316

RESULT 7  
US-10-272-411-19

Sequence 19, Application US/10272411  
Publication No. US2003010068A1  
GENERAL INFORMATION:  
APPLICANT: Barnes Jewish Hospital  
APPLICANT: Lam, Jonathan  
APPLICANT: Ross, F. Patrick  
APPLICANT: Teitelbaum, Steven  
TITLE OF INVENTION: RANKL MIMICS AND USES THEREOF  
FILE REFERENCE: 60019620-0202  
CURRENT APPLICATION NUMBER: US/10/272,411  
CURRENT FILING DATE: 2002-10-15  
PRIOR APPLICATION NUMBER: 60/329,393  
PRIOR FILING DATE: 2001-10-15  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 19  
LENGTH: 316  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-272-411-19

Query Match 99.6%; Score 1554; DB 15; Length 316;  
Best Local Similarity 99.7%; Pred. No. 5.2e-145;  
Matches 293; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1 GVPHEGLHPAPSAAPAPPAASRSMTALLGLGIGVCSIALFLYFRAMPDRRISE 60  
23 GVPHEGLHPAPSAAPAPPAASRSMTALLGLGIGVCSIALFLYFRAMPDRRISE 82  
61 DSTHCFYRLRLHENADLDSTLESEDTLPDSCRMMKQAFQAVOKELQHYVQPRFSGA 120  
83 DSTHCFYRLRLHENADLDSTLESEDTLPDSCRMMKQAFQAVOKELQHYVQPRFSGA 142  
121 PAMMGESMLDVAQRKPEAPPAHLTINAASIPSGSHKVTLSWYHGRGAKISMTLSN 180  
143 PAMMGESMLDVAQRKPEAPPAHLTINAASIPSGSHKVTLSWYHGRGAKISMTLSN 202  
181 GKLRYNODGFYLLYANICFRHHTSGSVPTDYLOLMYVYVTSIKIPSSHLMKGSTKN 240  
203 GKLRYNODGFYLLYANICFRHHTSGSVPTDYLOLMYVYVTSIKIPSSHLMKGSTKN 262  
241 WSGNSEFHFSYINVGCFKRLRAGEEISIOVSNPSILDPDODATYFGAFKYODID 294  
263 WSGNSEFHFSYINVGCFKRLRAGEEISIOVSNPSILDPDODATYFGAFKYODID 316

RESULT 8  
US-10-272-328A-19

Sequence 19, Application US/10272328A  
Publication No. US2003010944A1  
GENERAL INFORMATION:  
APPLICANT: Barnes Jewish Hospital  
APPLICANT: Lam, Jonathan  
APPLICANT: Ross, F. Patrick  
APPLICANT: Teitelbaum, Steven  
TITLE OF INVENTION: RANKL MIMICS AND USES THEREOF  
FILE REFERENCE: 60019620-0206  
CURRENT APPLICATION NUMBER: US/10/272,328A  
CURRENT FILING DATE: 2003-01-24  
PRIOR APPLICATION NUMBER: 60/329,393  
PRIOR FILING DATE: 2001-10-15  
NUMBER OF SEQ ID NOS: 51  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 19  
LENGTH: 316  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-272-328A-19

Query Match 99.6%; Score 1554; DB 15; Length 316;

Thu Sep 11 16:16:49 2003

us-09-688-459-11.rapb

Best Local Similarity 99.7%; Pred. No. 5,2e-145;  
Matches 293; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GVPHEGRLHAPSAAPAPPAASRSMLLGLGLOVVCSTALFLYFRAQMDPNRISE 60  
DB 23 GVPHEGRLHAPSAAPAPPAASRSMLLGLGLOVVCSTALFLYFRAQMDPNRISE 82  
QY 61 DSTHCFYRILRLHENADLQDSTLESEDTLPDSCRKMAQFOGAVOKELQIIVGPORFS 120  
DB 83 DSTHCFYRILRLHENADLQDSTLESEDTLPDSCRKMAQFOGAVOKELQIIVGPORFS 142  
QY 121 PAMWEGSWLDVAORGRKEAOPFAHLITINAASIPSGSHKVTLSWYHDMGAKISNMTLSN 180  
DB 143 PAMWEGSWLDVAORGRKEAOPFAHLITINAASIPSGSHKVTLSWYHDMGAKISNMTLSN 202  
QY 181 GKLRVNDQGFYLYLANICFRHNETSGSVPTDYQLMAYVYVTKSIKIPSSHNLKKGSTKN 240  
DB 203 GKLRVNDQGFYLYLANICFRHNETSGSVPTDYQLMAYVYVTKSIKIPSSHNLKKGSTKN 262  
QY 241 WSGNSEHFHYISINVGFFKLRAGEEISIQVSNPSLLDPDQDATYFGAFKVQDID 294  
DB 263 WSGNSEHFHYISINVGFFKLRAGEEISIQVSNPSLLDPDQDATYFGAFKVQDID 316

RESULT 9

US-09-813-329-7  
Sequence 7, Application US/09813329  
Patent No. US20020012968A1  
GENERAL INFORMATION:  
APPLICANT: Bristol-Myers Squibb Company  
TITLE OF INVENTION: No. US0020012968A1el Drosophila Tumor Necrosis Factor Class Mole  
FILE REFERENCE: D0016.DP  
CURRENT APPLICATION NUMBER: US/09/813,329  
CURRENT FILING DATE: 2001-03-20  
PRIOR APPLICATION NUMBER: 60/190,816  
PRIOR FILING DATE: 2000-03-21  
NUMBER OF SEQ ID NOS: 65  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 7  
LENGTH: 317  
TYPE: PRT  
ORGANISM: Drosophila melanogaster  
US-09-813-329-7

Query Match 85.0%; Score 1326.5; DB 9; Length 317;  
Best Local Similarity 84.5%; Pred. No. 1.5e-122;  
Matches 250; Conservative 16; Mismatches 27; Indels 3; Gaps 2;

QY 1 GVPHEGRLHAPSAAPAPPAASRSMLLGLGLOVVCSTALFLYFRAQMDPNRISE 60  
DB 23 GVPHEGRLHAPSAAPAPPAASRSMLLGLGLOVVCSTALFLYFRAQMDPNRISE 81  
QY 61 DSTHCFYRILRLHENADLQDSTLESEDTLPDSCRKMAQFOGAVOKELQIIVGPORFS 118  
DB 82 DSTHCFYRILRLHENADLQDSTLESEDTLPDSCRKMAQFOGAVOKELQIIVGPORFS 141  
QY 119 GAPWEGSWLDVAORGRKEAOPFAHLITINAASIPSGSHKVTLSWYHDMGAKISNMTL 178  
DB 142 GAPWEGSWLDVAORGRKEAOPFAHLITINAASIPSGSHKVTLSWYHDMGAKISNMTL 201  
QY 179 SNGKLIVNDQGFYLYLANICFRHNETSGSVPTDYQLMAYVYVTKSIKIPSSHNLKKGST 238  
DB 202 SNGKLIVNDQGFYLYLANICFRHNETSGSVPTDYQLMAYVYVTKSIKIPSSHNLKKGST 261  
QY 239 KMWGNSSEHFHYISINVGFFKLRAGEEISIQVSNPSLLDPDQDATYFGAFKVQDID 294  
DB 262 KMWGNSSEHFHYISINVGFFKLRAGEEISIQVSNPSLLDPDQDATYFGAFKVQDID 317

RESULT 10  
US-09-871-856-13  
Sequence 13, Application US/09871856

Patent No. US20020081720A1

GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.

Gallbert, Laurent

Maraskovsky, Eugene

TITLE OF INVENTION: Receptor Activator of NF-kappaB

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation, Law Department

STREET: 51 University Street

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Power Macintosh

OPERATING SYSTEM: Apple Operating System 7.5.5

SOFTWARE: Microsoft Word for Power Macintosh 6.0.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/871,856

FILING DATE: 31-May-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/996,139

FILING DATE: <Unknown>

APPLICATION NUMBER: USN 08/813,509

FILING DATE: 07 MARCH 1997

APPLICATION NUMBER: USN 08/772,330

FILING DATE: 23 DECEMBER 1996

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne

REGISTRATION NUMBER: 34,693

REFERENCE/DOCKET NUMBER: 2851-A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206)587-0430

TELEFAX: (206)233-0644

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 317 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 13:

Query Match 85.0%; Score 1326.5; DB 9; Length 317;  
Best Local Similarity 84.5%; Pred. No. 1.5e-122;  
Matches 250; Conservative 16; Mismatches 27; Indels 3; Gaps 2;

QY 1 GVPHEGRLHAPSAAPAPPAASRSMLLGLGLOVVCSTALFLYFRAQMDPNRISE 60  
DB 23 GVPHEGRLHAPSAAPAPPAASRSMLLGLGLOVVCSTALFLYFRAQMDPNRISE 81  
QY 61 DSTHCFYRILRLHENADLQDSTLESEDTLPDSCRKMAQFOGAVOKELQIIVGPORFS 118  
DB 82 DSTHCFYRILRLHENADLQDSTLESEDTLPDSCRKMAQFOGAVOKELQIIVGPORFS 141  
QY 119 GAPWEGSWLDVAORGRKEAOPFAHLITINAASIPSGSHKVTLSWYHDMGAKISNMTL 178  
DB 142 GAPWEGSWLDVAORGRKEAOPFAHLITINAASIPSGSHKVTLSWYHDMGAKISNMTL 201  
QY 179 SNGKLIVNDQGFYLYLANICFRHNETSGSVPTDYQLMAYVYVTKSIKIPSSHNLKKGST 238  
DB 202 SNGKLIVNDQGFYLYLANICFRHNETSGSVPTDYQLMAYVYVTKSIKIPSSHNLKKGST 261  
QY 239 KMWGNSSEHFHYISINVGFFKLRAGEEISIQVSNPSLLDPDQDATYFGAFKVQDID 294  
DB 262 KMWGNSSEHFHYISINVGFFKLRAGEEISIQVSNPSLLDPDQDATYFGAFKVQDID 317

RESULT 11  
US-09-877-650-13

Sequence 13, Application US/09877650  
Patent No. US20020169117A1  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
Galdert, Laurent  
Markovsky, Eugene  
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/877,650  
FILING DATE: 08-Jun-2001  
CLASSIFICATION: <unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/995,659  
FILING DATE: 1997-12-22  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2852-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-09-877-650-13

Query Match 85.0%; Score 1326.5; DB 10; Length 317;  
Best Local Similarity 84.5%; Pred. No. 1.5e-122;  
Matches 250; Conservative 16; Mismatches 27; Indels 3; Gaps 2;

QY 1 GVPHEGLHPAPAPAPAPAPASRSMTLLGLGLGVVCSIALFLYFRAQMDPNRISE 60  
DB 23 GAPHEGLH-APPAPADHOPAPASRSMTLLGLGLGVVCSIALFLYFRAQMDPNRISE 81  
QY 61 DSTHCFRIIRLHNADLPSTLESDT--LPSCRMKQAFQAVOKELQHYGQRF 118  
DB 82 DGTICIRIRLHNADLPSTLESDT--LPSCRMKQAFQAVOKELQHYGQRF 141  
QY 119 GAPAMGSLDVAQORQKPEAFHNTINASIPSGSHKVTLSWYHDSGNMAKISMTL 178  
DB 142 AERAMVDSWLDLAKRSKLEQFAHNTINADIPSGSHKVTLSWYHDSGNMAKISMTL 201  
QY 179 SNGELRNQOGFYLLANICFRHETSGVPTDYLDLAVYVTKTSIKIPSSHMLMGSGT 238  
DB 202 SNGELRNQOGFYLLANICFRHETSGVPTDYLDLAVYVTKTSIKIPSSHMLMGSGT 261  
QY 239 KMGSGSEFHFYSINVGFFKLRAGEISIOVSNPSILDPDQATYFGAKFYVDID 294  
DB 262 KMGSGSEFHFYSINVGFFKLRAGEISIOVSNPSILDPDQATYFGAKFYVDID 317

RESULT 12

US-10-218-547-22  
Sequence 22, Application US/10218547  
Publication No. US20030100074A1  
GENERAL INFORMATION:  
APPLICANT: Human Genome Sciences, Inc.  
TITLE OF INVENTION: Methods And Compositions For Treating Metabolic Bone Diseases  
FILE REFERENCE: PF561  
CURRENT APPLICATION NUMBER: US/10/218,547  
PRIOR FILING DATE: 2002-08-15  
PRIOR APPLICATION NUMBER: 60/332,542  
PRIOR FILING DATE: 2001-08-16  
PRIOR APPLICATION NUMBER: 60/330,761  
NUMBER OF SEQ ID NOS: 57  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 22  
LENGTH: 317  
TYPE: PRT  
ORGANISM: human  
US-10-218-547-22

Query Match 85.0%; Score 1326.5; DB 15; Length 317;  
Best Local Similarity 84.5%; Pred. No. 1.5e-122;  
Matches 250; Conservative 16; Mismatches 27; Indels 3; Gaps 2;

QY 1 GVPHEGLHPAPAPAPAPAPASRSMTLLGLGLGVVCSIALFLYFRAQMDPNRISE 60  
DB 23 GAPHEGLH-APPAPADHOPAPASRSMTLLGLGLGVVCSIALFLYFRAQMDPNRISE 81  
QY 61 DSTHCFRIIRLHNADLPSTLESDT--LPSCRMKQAFQAVOKELQHYGQRF 118  
DB 82 DGTICIRIRLHNADLPSTLESDT--LPSCRMKQAFQAVOKELQHYGQRF 141  
QY 119 GAPAMGSLDVAQORQKPEAFHNTINASIPSGSHKVTLSWYHDSGNMAKISMTL 178  
DB 142 AERAMVDSWLDLAKRSKLEQFAHNTINADIPSGSHKVTLSWYHDSGNMAKISMTL 201  
QY 179 SNGELRNQOGFYLLANICFRHETSGVPTDYLDLAVYVTKTSIKIPSSHMLMGSGT 238  
DB 202 SNGELRNQOGFYLLANICFRHETSGVPTDYLDLAVYVTKTSIKIPSSHMLMGSGT 261  
QY 239 KMGSGSEFHFYSINVGFFKLRAGEISIOVSNPSILDPDQATYFGAKFYVDID 294  
DB 262 KMGSGSEFHFYSINVGFFKLRAGEISIOVSNPSILDPDQATYFGAKFYVDID 317

RESULT 13

US-10-017-910-2  
Sequence 2, Application US/10017910  
Publication No. US20020159970A1  
GENERAL INFORMATION:  
APPLICANT: Choi, Yongwon  
Wong, Brian  
Jostien, Regis  
Steinman, Ralph  
TITLE OF INVENTION: A PROTEIN BELONGING TO THE TNF SUPERFAMILY  
INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING  
METHODS OF USE THEREOF  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Klauder & Jackson  
STREET: 411 Hackensack Avenue, 4th Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:



```
APPLICATION NUMBER: US/10/017.910
FILING DATE: 14-Dec-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/447,035
FILING DATE: 1999-11-22
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-200
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 245 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-017-910-2

Query Match      71.0% Score 1108; DB 14; Length 245;
Best Local Similarity 84.5%; Pred. No. 3.9e-101;
Matches 207; Conservative 14; Mismatches 22; Indels 2; Gaps 1;

QY 52 QMDPNRISEDSTHCYRILRLHENAQDSTLESDT-LPDSGRKKAQFQGAQVQKELQ 109
DB 1 QMDPNRISEDSTHCYRILRLHENAQDSTLESDT-LPDSGRKKAQFQGAQVQKELQ 60
QY 110 HVGPOFSGAPAMESGMLDVAQRKPEQPFALHTINAASIPSGSHKVTLSWYHNRG 169
DB 61 HVGSOHITRAEKAAVDGSMDLAKRSKLEAPFAHLTINATDIPSGSHKVSLSWYHNRG 120
QY 170 MAKISNMTLSNGKLRVQDGFYLLYANICFRHHTSGSVPTDYLQMLVYVTKISIKIPSS 229
DB 121 WGISNMTFSNGKLIYVQDGFYLLYANICFRHHTSGDLATEYLQMLVYVTKISIKIPSS 180
QY 230 HNLKGGSTKNSGNSSEFHYSTINVGFEKLRAGEISIOVSNPSLDPDQATYFGAFK 289
DB 181 HTLMKGGSTKNSGNSSEFHYSTINVGFEKLRAGEISIOVSNPSLDPDQATYFGAFK 240
QY 290 VQDID 294
DB 241 VRDID 245

RESULT 14
US-09-779-050A-14
Sequence 14, Application US/09779050A
Patent No. US20020160416A1
GENERAL INFORMATION:
APPLICANT: BOYLE, WILLIAM
APPLICANT: HSU, HAILING
TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
FILE REFERENCE: A-570B
CURRENT APPLICATION NUMBER: US/09/779,050A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/181,800
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PatentIn version 3.0
SEQ ID NO: 14
LENGTH: 160
TYPE: PRT
ORGANISM: Mus musculus
US-09-779-050A-14

Query Match      54.8% Score 855; DB 10; Length 160;
Best Local Similarity 100.0%; Pred. No. 2e-76;
Matches 160; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 135 GKPEAPFAHLTTINAASIPSGSHKVTLSWYHNRGAKISNMTLSNGKLRVNDGFEYLL 194
DB 1 GKPEAPFAHLTTINAASIPSGSHKVTLSWYHNRGAKISNMTLSNGKLRVNDGFEYLL 60
QY 195 ANICFRHHTSGSVPTDYLQMLVYVTKISIKIPSSHNLKGGSTKNSGNSSEFHYSTIN 254
DB 61 ANICFRHHTSGSVPTDYLQMLVYVTKISIKIPSSHNLKGGSTKNSGNSSEFHYSTIN 120
QY 255 GGFELKLRAGEISIOVSNPSLDPDQATYFGAFKVDID 294
DB 121 GGFELKLRAGEISIOVSNPSLDPDQATYFGAFKVDID 160

RESULT 15
US-09-791-153A-76
Sequence 76, Application US/09791153A
Publication No. US20030103978A1
GENERAL INFORMATION:
APPLICANT: Deshpande, Rajendra
APPLICANT: Hitz, Anna
APPLICANT: Boyle, William
APPLICANT: Sullivan, John
TITLE OF INVENTION: SELECTIVE BINDING AGENTS OF OSTEOPROTEGERIN BINDING PROTEIN
FILE REFERENCE: A-633A
CURRENT APPLICATION NUMBER: US/09/791,153A
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: 09/511,139
PRIOR FILING DATE: 2000-02-23
NUMBER OF SEQ ID NOS: 154
SOFTWARE: PatentIn version 3.0
SEQ ID NO: 76
LENGTH: 170
TYPE: PRT
ORGANISM: Mus musculus
US-09-791-153A-76

Query Match      53.2% Score 830; DB 11; Length 170;
Best Local Similarity 97.5%; Pred. No. 6.4e-74;
Matches 155; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 136 KPEAPFAHLTTINAASIPSGSHKVTLSWYHNRGAKISNMTLSNGKLRVNDGFEYLL 195
DB 12 KPEAPFAHLTTINAASIPSGSHKVTLSWYHNRGAKISNMTLSNGKLRVNDGFEYLL 71
QY 196 NICFRHHTSGSVPTDYLQMLVYVTKISIKIPSSHNLKGGSTKNSGNSSEFHYSTIN 255
DB 72 NICFRHHTSGDLATEYLQMLVYVTKISIKIPSSHNLKGGSTKNSGNSSEFHYSTIN 131
QY 256 GGFELKLRAGEISIOVSNPSLDPDQATYFGAFKVDID 294
DB 132 GGFELKLRAGEISIOVSNPSLDPDQATYFGAFKVDID 170

Search completed: September 11, 2003, 09:00:16
Job time : 195 secs
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RESULT 1:  
US-08-989-362-1  
Sequence 1, Application US/08989362  
Patent No. 6242586

GENERAL INFORMATION:  
APPLICANT: Gorman, Daniel M.  
APPLICANT: Mattson, Jeanine D.  
TITLE OF INVENTION: Mammalian Cell Surface Antigens; Related  
TITLE OF INVENTION: Reagents  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DNA Research Institute  
STREET: 901 California Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94304-1104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/989,362  
FILING DATE: 12-DEC-1997  
CLASSIFICATION: 56  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/032,846  
FILING DATE: 13-DEC-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Ching, Edwin P.  
REGISTRATION NUMBER: 34,090  
REFERENCE/DOCKET NUMBER: DX0686  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 852-9196  
TELEFAX: (650) 496-1204  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2191 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 125..1072  
US-08-989-362-1

Query Match 99.18; Score 1615.8; DB 3; Length 2191;  
Best Local Similarity 99.88; Pred. No. 0;  
Matches 1628; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

DB 1 CGGCGTCCACACAGAGGCTCGCTGACACCCGCGCTTCTGACACCGGCTCCGCGCGCG 60  
189 CGGCGTCCACACAGAGGCTCGCTGACACCCGCGCTTCTGACACCGGCTCCGCGCGCG 248  
61 CACCGCGCGCTCCGCTGCTCATGTTCTGCGGCTCTGCGGCTGGGGAATGGGCGAGTGG 120  
249 CACCGCGCGCTCCGCTGCTCATGTTCTGCGGCTCTGCGGCTGGGGAATGGGCGAGTGG 308  
121 TCTGAGAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180  
309 TCTGAGAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 368  
181 AAGACGACGACGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240  
369 AAGACGACGACGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 428  
241 ACTGACGCTGAGAGAGTGAAGACACACACACACACACACACACACACACACACACACAC 300  
429 ACTGACGCTGAGAGAGTGAAGACACACACACACACACACACACACACACACACACACAC 488  
301 TTCAGAGGCGCGCTGAG 360  
489 TTCAGAGGCGCGCTGAG 548  
361 CTCACGATGATGAG 420

*Sequence*  
*Alignment*

DB 549 CTCACGATGATGAG 608  
421 ACCGATTGGACACACCTGAC 480  
609 ACCGATTGGACACACCTGAC 668  
481 CTCGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540  
669 CTCGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 728  
541 ACCGAAAGTAAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAG 600  
729 ACCGAAAGTAAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAG 788  
601 GGCATCATGAAACATCGGGAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTT 660  
789 GGCATCATGAAACATCGGGAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTTAAGGTT 848  
661 TTAAGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGAC 720  
849 TTAAGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGAC 908  
721 ACTGTCGGGCAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAAT 780  
909 ACTGTCGGGCAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAAT 968  
781 TCCGAGCTGGTGAAGAAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAAT 840  
969 TCCGAGCTGGTGAAGAAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAATTCGAAAT 1028  
841 AAGATGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGAC 900  
1029 AAGATGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGAC 1088  
901 GAACATTAAGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960  
1089 GAACATTAAGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1148  
961 ACATGCTAAGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020  
1149 ACATGCTAAGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1208  
1021 TTGAGCCTGACAGGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080  
1209 TTGAGCCTGACAGGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1268  
1081 TACACACGCTTTTACATTTTGTATGATTTCTT-AGATTGACACGATGGGAGAGG 1139  
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-81 GKLRVNDGGYYIYIYANICCRHHNHSGSVPTDYDLYLVVTKISIKIPSSMNLKMGSGSKN 240  
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DB 23 gvphegplhpapsar

Query Match	99.6%	Score 1554	DB 19	Length 316
Best Local Similarity	99.7%	Pred. 0.3	1e-140	
Matches 293	Conservative	0	Mismatches 1	Indels 0
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Dbb	23	GVVHEGRLPAASAPAPAPPAASRKLALGLGIGOWSILFLYFRKMDPNRISE	82	



GenCore version 5.1.6  
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OK nucleic - nucleic search, using sw model

Run on: September 10, 2003, 21:20:54 ; Search time 108 Seconds

(without alignments)  
6661.616 Million cell updates/sec

Title: US-09-688-459-10

Perfect score: 1630

Sequence: 1 CCGCGCGTCCACACAGAGGT.....TAAGTATACAGCTCTTCAG 1630

Scoring table: IDENTITY\_NUC

GAP: 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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34	58.4	3.6	1751	4	US-09-825-563-1	Sequence 1, Appl 1
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42	58.4	3.6	1366	5	PCT-US96-10895-5	Sequence 5, Appl 1
43	58.4	3.6	5332	4	US-09-801-861-3	Sequence 4, Appl 1
44	58.4	3.6	5332	4	US-08-751-359-21	Sequence 21, Appl 1
45	58.4	3.6	5526	4	US-08-907-146-21	Sequence 21, Appl 1

#### ALIGNMENTS

RESULT 1  
US-08-996-139-10  
Sequence 10, Application US/08996139  
Patent No. 6017729  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Gallibert, Laurent  
APPLICANT: Markovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/996,139  
FILING DATE: 22 DECEMBER 1997  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: USSN 60/064,671  
FILING DATE: 14 OCTOBER 1997  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)233-0644  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1630 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO

Thu Sep 11 16:16:44 2003

us-09-688-459-10.rni

Page 2

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?      ORIGINAL SOURCE:
?      ORGANISM: Mus musculus
?      IMMEDIATE SOURCE:
?      LIBRARY:
?      CLONE: RANKL
?      FEATURE:
?      NAME/KEY: CDS
?      LOCATION: 3..884
?      MS-08-996-139-10

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Dd	901	GAACCTTTACATGATGATGTCTCTTCTGATGTTGGAAACTTCTTAATAAATGATGATGTCTAT	960
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Dd	1021	TTGACCCCTGTACAGATGTGATATGTAAAGCCATAGTGTATGTATATTCATGTCTAT	1080
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Qy	1381	AAGTATATTTTCAGGTGTATGTTTCTTGTCGCAAACTTGTAAATTTATTTTGGCTAT	1440
Dd	1381	AAGTATATTTTCAGGTGTATGTTTCTTGTCGCAAACTTGTAAATTTATTTTGGCTAT	1440
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Sequence 10, Application us/08995659			
Patent No. 6242213			
GENERAL INFORMATION:			
APPLICANT: Anderson, Dirk M.			
APPLICANT: Galibert, Laurent			
APPLICANT: Maraskovsky, Eugene			
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB			
NUMBER OF SEQUENCES: 19			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: Immunex Corporation, Law Department			
STREET: 51 University Street			
CITY: Seattle			
STATE: WA			
COUNTRY: USA			
ZIP: 98101			
COMPUTER READABLE FORM:			



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Sequence 10, Application US/09215649A  
Patent No. 6271349  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
Galibert, Laurent  
Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/215,649A  
FILING DATE: 17-Dec-1998  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/996,139  
FILING DATE: <Unknown>  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1630 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
MOLECULE TYPE: linear  
TOPOLOGY: linear  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Mus musculus  
IMMEDIATE SOURCE:  
LIBRARY: <Unknown>  
CLONE: KANRL  
FEATURE:  
NAME/KEY: CDS

LOCATION: 3..884  
SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-09-215-649A-10  
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Matches 1630; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 541 ACGGAAAACCTAAGGCTTAACCAAGATGGCTTCTATTAACCTGTACGCCAACATTTGCTTTC 600  
DB 541 ACGGAAAACCTAAGGCTTAACCAAGATGGCTTCTATTAACCTGTACGCCAACATTTGCTTTC 600  
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DB 601 GGCATCATGAACATGGGAAAGGTACCTACAGCTATCTTCACTGATGTGTATGTCG 660  
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DB 1141 ATTCCGATGCTTAAAGAAAACCTTACAGCTGATGATGATGATGATGATGATGAT 1200  
QY 1201 CTAACCCCTGGACATGTGCTGACATGAGAACTTGAATTAAGAGGATGCCATGCTATGCA 1260  
DB 1201 CTAACCCCTGGACATGTGCTGACATGAGAACTTGAATTAAGAGGATGCCATGCTATGCA 1260  
QY 1261 AAGAAATGATAGTGTGAAGGTTAAGTTCTTTGAATGTTTGAATGTTGCGGAGCTGC 1320  
DB 1261 AAGAAATGATAGTGTGAAGGTTAAGTTCTTTGAATGTTTGAATGTTGCGGAGCTGC 1320  
QY 1321 AAATTAAGTCTTTTCTTAATGAGGAGAAAAATATATATATATATATATATATATAT 1380  
DB 1321 AAATTAAGTCTTTTCTTAATGAGGAGAAAAATATATATATATATATATATATATAT 1380  
QY 1381 AAGTAT 1440  
DB 1381 AAGTAT 1440  
QY 1441 AATTTTGAATCAAAAT 1500  
DB 1441 AATTTTGAATCAAAAT 1500  
QY 1501 TACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1560  
DB 1501 TACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1560  
QY 1561 GCAGAAATACGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620  
DB 1561 GCAGAAATACGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620

QY 1621 GAGCTCTTACAG 1630  
DB 1621 GAGCTCTTACAG 1630

RESULT 5  
US-09-577-800-10  
Sequence 10, Application US/09577800  
Patent No. 6479635  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Galibert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/577,800  
FILING DATE: 24-MAY-2000  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/996,139  
FILING DATE: 22 DECEMBER 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USN 60/064,671  
FILING DATE: 14 OCTOBER 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USN 08/813,509  
FILING DATE: 07 MARCH 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)233-0644  
TELEFAX: (206)233-0644  
INFORMATION FOR SRO ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1630 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYBOTHEICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE: Mus musculus  
IMMEDIATE SOURCE:  
LIBRARY:  
CLONE: RANKL  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 3..884  
US-09-577-800-10  
Query Match 100.0%; Score 1630; DB 4; Length 1630;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1630; Conservative 0; Mismatches 0; Indels 0; Gaps 0;





RESULT 7  
 US-09-871-856-10  
 Sequence 10. Application US/09871856  
 Patent No. 6537763  
 GENERAL INFORMATION:  
 APPLICANT: Anderson, Dirk M.  
 Galibert, Laurent  
 Maraskovsky, Eugene  
 TITLE OF INVENTION: Receptor Activator of NF-kappaB  
 NUMBER OF SEQUENCES: 19  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Immunex Corporation, Law Department  
 STREET: 51 University Street  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98101  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 OPERATING SYSTEM: Apple Macintosh  
 SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
 CURRENT APPLICATION DATA:  
 FILING DATE: 31-May-2001  
 CLASSIFICATION: <unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/996,139  
 FILING DATE: <unknown>  
 APPLICATION NUMBER: USSN 08/813,509  
 FILING DATE: 07 MARCH 1997  
 APPLICATION NUMBER: USSN 08/772,330  
 FILING DATE: 23 DECEMBER 1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Perkins, Patricia Anne  
 REGISTRATION/DOCKET NUMBER: 34,693  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206)587-0430  
 TELEFAX: (206)233-0644  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1630 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOCHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Mus musculus  
 IMMEDIATE SOURCE:  
 LIBRARY: <Unknown>  
 CLONE: RANKL  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 3..884  
 SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
 US-09-871-856-10  
 Query Match 100.08; Score 1630; DB 4; Length 1630;  
 Best Local Similarity 100.08; P-Id. No. 0;  
 Matches 1630; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 121 TCTGACATGCTCTGTTGCTTCTGACTTTGAGCGAGATGATCTTAACAGAAATACAG 180  
 DB 121 TCTGACATGCTCTGTTGCTTCTGACTTTGAGCGAGATGATCTTAACAGAAATACAG 180  
 QY 181 AAGACAGACTGCTGCTTTATAGAACTGAGATCTCAATGAAAGCAGATTTGACAG 240  
 DB 181 AAGACAGACTGCTGCTTTATAGAACTGAGATCTCAATGAAAGCAGATTTGACAG 240  
 QY 241 ACTGCACTGAGAGATGAGACACACTGCTGCTGCTGAGAGATGAGAAACAGCT 300  
 DB 241 ACTGCACTGAGAGATGAGACACACTGCTGCTGCTGAGAGATGAGAAACAGCT 300  
 QY 301 TTGAGGGGCGGCGCAAGAGAACTGCAACATGATGAGGCGCCACAGGCTTCTGAGAG 360  
 DB 301 TTGAGGGGCGGCGCAAGAGAACTGCAACATGATGAGGCGCCACAGGCTTCTGAGAG 360  
 QY 361 CTCACACTATGATGAGAGGCTCATGATGATGATGAGGCGCCACAGGCTTCTGAGAG 420  
 DB 361 CTCACACTATGATGAGAGGCTCATGATGATGATGAGGCGCCACAGGCTTCTGAGAG 420  
 QY 421 AGCATTTGACACCTGACATCAATGCTGCGCAGATCCCATCGGCTTCCATTAAGTCA 480  
 DB 421 AGCATTTGACACCTGACATCAATGCTGCGCAGATCCCATCGGCTTCCATTAAGTCA 480  
 QY 481 CTCGTCTCTGTTGTACACAGATCGAGGCTGCGCCAGATGCTTAACATGACCTTAAGCA 540  
 DB 481 CTCGTCTCTGTTGTACACAGATCGAGGCTGCGCCAGATGCTTAACATGACCTTAAGCA 540  
 QY 541 ACGGAACCTAAGGTTTAAACAGATGCTTCTTATACCTGAGCCACATTTGCTTTC 600  
 DB 541 ACGGAACCTAAGGTTTAAACAGATGCTTCTTATACCTGAGCCACATTTGCTTTC 600  
 QY 601 GGCATCATGAACATCGGGAAGCGTACCTACAGATCTTCTGACCTATGATGATGCTG 660  
 DB 601 GGCATCATGAACATCGGGAAGCGTACCTACAGATCTTCTGACCTATGATGATGCTG 660  
 QY 661 TTAACACAGATCAAAATCCCAAGTTCTCAATCAATGATGAAAGGAGGACAGCAAAA 720  
 DB 661 TTAACACAGATCAAAATCCCAAGTTCTCAATCAATGATGAAAGGAGGACAGCAAAA 720  
 QY 721 ACTGCTGCGCAATTTGATTCATTTTATTCATTAATGTTGGGGATTTTTCAGC 780  
 DB 721 ACTGCTGCGCAATTTGATTCATTTTATTCATTAATGTTGGGGATTTTTCAGC 780  
 QY 781 TCCGAGCTGTAAGAAATAGCATTCAGTGTCCAACTTCTGCTGATCCGATC 840  
 DB 781 TCCGAGCTGTAAGAAATAGCATTCAGTGTCCAACTTCTGCTGATCCGATC 840  
 QY 841 AAGATCGAGTACTTTGGGGCTTCAAATTTGAGACATAGCTAGACTATTTGCTG 900  
 DB 841 AAGATCGAGTACTTTGGGGCTTCAAATTTGAGACATAGCTAGACTATTTGCTG 900  
 QY 901 GAACATTAGCATGATGCTTCTAGATTTGGAATCTTAAATAATGATGATGCTAT 960  
 DB 901 GAACATTAGCATGATGCTTCTAGATTTGGAATCTTAAATAATGATGATGCTAT 960  
 QY 961 ACATGTTAGTACTTAAGACATGAGCCAGCGGTGATGAAACTGACAGCCCTCTCTC 1020  
 DB 961 ACATGTTAGTACTTAAGACATGAGCCAGCGGTGATGAAACTGACAGCCCTCTCTC 1020  
 QY 1021 TTGAGCTGTACAGGTTGTATGATGATGATGATGATGATGATGATGATGATGAT 1080  
 DB 1021 TTGAGCTGTACAGGTTGTATGATGATGATGATGATGATGATGATGATGATGAT 1080  
 QY 1081 TACACAAGGTTTAAATTTGATGATGATGATGATGATGATGATGATGATGATGAT 1140  
 DB 1081 TACACAAGGTTTAAATTTGATGATGATGATGATGATGATGATGATGATGATGAT 1140  
 QY 1141 ATTGCGATCTTATGAAAACTTACAGGAGCTATGAAAGGGGTACATCTCTGGGT 1200  
 DB 1141 ATTGCGATCTTATGAAAACTTACAGGAGCTATGAAAGGGGTACATCTCTGGGT 1200  
 QY 1201 CTACCCCTGAGCATGCTGCACTGAGAACTTGAATTAAGAGATGATGATGATGAT 1260

INFORMATION FOR SEQ ID NO: 10

661 TTAACACGAGCATCAAAATCCCAAGTTCTCTATAACCTGATGAAGGAGGAGCAGAAA 720





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RESULT 10.
US-09-052-521C-1
Sequence 1, Application US/09052521C
Patent No. 6316408
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
TITLE OF INVENTION: Osteoprotegerin Binding Proteins and Receptors
FILE REFERENCE: A-45181V
CURRENT APPLICATION NUMBER: US/09/052,521C
CURRENT FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 08/880,855
PRIOR FILING DATE: 1997-06-23
PRIOR APPLICATION NUMBER: 08/842,842
PRIOR FILING DATE: 1997-04-16
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentln Ver. 2.1
SEQ ID NO 1
LENGTH: 2295
TYPE: DNA
ORGANISM: Mouse
FEATURE:
NAME/KEY: CDS
LOCATION: (158)..(1105)
US-09-052-521C-1

Query Match: 99.9%; Score 1628.4; DB 4; Length 2295;
Best Local Similarly 99.9%; Pred. No. 0;
Matches 1629; Conservative 0; Mismatches 1; Indels 0; Gaps 0

QY 1 CCAGCGCTCCACACGAGAGGGGCGCGCTCCAGCCCGCGCTTCTGACACCGGCTCCGGCGCGC 60
Db 222 CCGGGCTCCACACGAGGGTCCGCTCCAGCCCGCGCTTCTGACACCGGCTCCGGCGCGC 281
QY 61 CACCGCGCGCTCCAGCTCCATGTTCTGCGCTCCGCTCCGCGCTGAGGAGTGGGACGAGATG 120
Db 282 CACCGCGCGCTCCAGCTCCATGTTCTGCGCTCCGCTCCGCGCTGAGGAGTGGGACGAGATG 341
QY 121 TCTGAGCATACGCTCTGTTCTGTTACTTTGAGGCGCCAGATGATCTTAACAGATATCAG 180
Db 342 TCTGAGCATACGCTCTGTTCTGTTACTTTGAGGCGCCAGATGATCTTAACAGATATCAG 401
QY 181 AAGACAGCATACGCTCTTTTATAGAACTCTGAGACTCCATGAAACGACAGATTGACAG 240
Db 402 AAGACAGCATACGCTCTTTTATAGAACTCTGAGACTCCATGAAACGACAGATTGACAG 461
QY 241 ACTGACATCTGAGAGTGAAGACACACTACCGTACTCTGACGAGGATGAACAAAGCT 300
Db 462 ACTGACATCTGAGAGTGAAGACACACTACCGTACTCTGACGAGGATGAACAAAGCT 521
QY 301 TTCAAGGGGGCGTGCAGAAAGAACTGCAACACATTGAGGGGCCACAGCGCTTCTCAGAG 360
Db 522 TTCAAGGGGGCGTGCAGAAAGAACTGCAACACATTGAGGGGCCACAGCGCTTCTCAGAG 581
QY 361 CTCACGATATGGAAGGTCATGAGTGTGATGAGGGGCCACAGCGGCAAGCGCTGAGGCC 420
Db 582 CTCACGATATGGAAGGTCATGAGTGTGATGAGGGGCCACAGCGGCAAGCGCTGAGGCC 641
QY 421 AGCATTTGCAACCTCAACATCAATGCTGCGACATCCATCGGAGTTCCCATTAAGTCA 480
Db 642 AGCATTTGCAACCTCAACATCAATGCTGCGACATCCATCGGAGTTCCCATTAAGTCA 701
QY 481 CTCTGTCTCTTGTGTACACAGATGAGAGCGGGCGCAAGATCTCTAACATGACGTTAAGA 540
Db 702 CTCTGTCTCTTGTGTACACAGATGAGAGCGGGCGCAAGATCTCTAACATGACGTTAAGA 761
QY 541 ACGAAAACTAAGGTTTAACCAAGATGGCTTCTATTACCTGACGCAACATTGCTTTC 600
Db 762 ACGAAAACTAAGGTTTAACCAAGATGGCTTCTATTACCTGACGCAACATTGCTTTC 821
QY 601 GGCATCATGAACACTCGGAAGGTAACCTCAACATCTTACGCTGATGAGTATGTCG 660
Db 822 GGCATCATGAACACTCGGAAGGTAACCTCAACATCTTACGCTGATGAGTATGTCG 881

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QY 661 TTAACACGACATCAAAATCCCAAGTCTCATACCTGATGAAGAGGAGCGACGAAA 720  
 DB 882 TTAACACGACATCAAAATCCCAAGTCTCATACCTGATGAAGAGGAGCGACGAAA 941  
 QY 721 ACTGTCGGGCAATTCGTAATTCACCTTTATTCATTAATGTTGGGGGATTTTCAAGC 780  
 DB 942 ACTGTCGGGCAATTCGTAATTCACCTTTATTCATTAATGTTGGGGGATTTTCAAGC 1001  
 QY 781 TCCGAGCTGTGAAGAAATTCATTCAGTGGTCCCAAGCTTCCCTCTGATCCGATC 840  
 DB 1002 TCCGAGCTGTGAAGAAATTCATTCAGTGGTCCCAAGCTTCCCTCTGATCCGATC 1061  
 QY 841 AAGATGGGACCTACTTTGGGGCTTCAAGTTCAGACATAGACTGAGACTATTTGCTG 900  
 DB 1062 AAGATGGGACCTACTTTGGGGCTTCAAGTTCAGACATAGACTGAGACTATTTGCTG 1121  
 QY 901 GAACATTAGCATGATGCTCTAGATGTTTGAAGAACTCTTAATAAATGATGATGCTAT 960  
 DB 1122 GAACATTAGCATGATGCTCTAGATGTTTGAAGAACTCTTAATAAATGATGATGCTAT 1181  
 QY 961 ACATGCTAGACTACTAGAGACATGCGCCAGGCTGTATGAAGTCAAGCCCTCTCTC 1020  
 DB 1182 ACATGCTAGACTACTAGAGACATGCGCCAGGCTGTATGAAGTCAAGCCCTCTCTC 1241  
 QY 1021 TTGAGCCTGTACAGGTTGTGTATATTAAGTCCATAGCTGATGATGATGATGAT 1080  
 DB 1242 TTGAGCCTGTACAGGTTGTGTATATTAAGTCCATAGCTGATGATGATGATGATGAT 1301  
 QY 1081 TACACACAGGCTTTTACAAATTTGTATGATTTCTTGAATTTACAGATTTGGAGAGT 1140  
 DB 1302 TACACACAGGCTTTTACAAATTTGTATGATTTCTTGAATTTACAGATTTGGAGAGT 1361  
 QY 1141 ATTCCGATCTTATGAAATTAAGTTCACGCTGATGAGAGGCTGACAGTCTCTGCT 1200  
 DB 1362 ATTCCGATCTTATGAAATTAAGTTCACGCTGATGAGAGGCTGACAGTCTCTGCT 1421  
 QY 1201 CTACACCTGTGACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260  
 DB 1422 CTACACCTGTGACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1481  
 QY 1261 AAGAAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320  
 DB 1482 AAGAAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1541  
 QY 1321 AATAAGTCTTTTCTTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380  
 DB 1542 AATAAGTCTTTTCTTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1601  
 QY 1381 AAGTATATTCAGGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1440  
 DB 1602 AAGTATATTCAGGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1661  
 QY 1441 AGTATTTGATCAAAATATTTAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500  
 DB 1662 AGTATTTGATCAAAATATTTAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1721  
 QY 1501 TACAGATCTTATTAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1560  
 DB 1722 TACAGATCTTATTAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1781  
 QY 1561 GCAGAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620  
 DB 1782 GCAGAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1841  
 QY 1621 GAGCTCTCAG 1630  
 DB 1842 GAGCTCTCAG 1851

RESULT 11  
 US-08-989-362-1  
 : Sequence 1, Application US/08989362  
 : Patent No. 6242586

GENERAL INFORMATION:  
 APPLICANT: Gorman, Daniel M.  
 TITLE OF INVENTION: Mammalian Cell Surface Antigens; Related  
 NUMBER OF SEQUENCES: 2  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: DNA Research Institute  
 STREET: 901 California Avenue  
 CITY: Palo Alto  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94304-1104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/989,362  
 FILING DATE: 12-DEC-1997  
 CLASSIFICATION: 56  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/032,846  
 FILING DATE: 13-DEC-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Ching, Edwin P.  
 REGISTRATION NUMBER: 34,090  
 REFERENCE/DOCKET NUMBER: DX0686  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (650)852-9196  
 TELEFAX: (650)496-1204  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2191 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 125..1072  
 US-08-989-362-1

Query Match 99.1%; Score 1615.8; DB 3; Length 2191;  
 Best Local Similarity 99.8%; Pred. No. 0;  
 Matches 1628; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 CCGGCGTCCACACGAGGAGGCTCCGCTGACACCCCGGCGCTTCTGACCCGCTCCGCGCGC 60  
 DB 189 CCGGCGTCCACACGAGGAGGCTCCGCTGACACCCCGGCGCTTCTGACCCGCTCCGCGCGC 248  
 QY 61 CACCGCGCGCTCCCGGCTCCGCTGATGTTCTGCGCCCTCTGCGGCTGGGCTGGAGCTGGCGCGCTG 120  
 DB 249 CACCGCGCGCTCCCGGCTCCGCTGATGTTCTGCGCCCTCTGCGGCTGGGCTGGAGCTGGCGCGCTG 308  
 QY 121 TCTGAGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180  
 DB 309 TCTGAGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 368  
 QY 181 AAGACAGACATGCTGCTTATTAAGATCTGAGACTGCAAGAAAGCAAGATTTGCGAG 240  
 DB 369 AAGACAGACATGCTGCTTATTAAGATCTGAGACTGCAAGAAAGCAAGATTTGCGAG 428  
 QY 241 ACTGACTCTGAGAGTGAAGACACACTACTGACTCTCTCTGAGAGAGATGAACAAAGCT 300  
 DB 429 ACTGACTCTGAGAGTGAAGACACACTACTGACTCTCTCTGAGAGAGATGAACAAAGCT 488  
 QY 301 TTCAGGGGCGCTGCAAGAACTGCAACATTTGAGGCGCACAGCGCTTTCAGGAG 360  
 DB 489 TTCAGGGGCGCTGCAAGAACTGCAACATTTGAGGCGCACAGCGCTTTCAGGAG 548  
 QY 361 CTCAGCTATGATGAGAGGCTCATGTTGATGTGGCCACGAGGCAAGCTTGAGCGCC 420

Db	1629	TAGTATTGGATTCAAAAATATTTAAAAATGCTACTGTTGACATATTTAAATGTTTTAAAT	1688
QY	1500	GTACAGAGTATTTAACTGTGTGCACTTTGTAATTCCTCGAAGGTACGTGACGAAGG	1559
Db	1689	GTACAGAGTATTTAACTGTGTGCACTTTGTAATTCCTCGAAGGTACGTGACGAAGG	1748
QY	1560	GGCAGAAATACGTCTTCTGTGTGACCACTGATGTTATTTCTTAACTCTTTAACTTAAT	1619
Db	1749	GGCAGAAATACGTCTTCTGTGTGACCACTGATGTTATTTCTTAACTCTTTAACTTAAT	1808
QY	1620	AGAGTCTTCAG	1630
Db	1809	AGAGTCTTCAG	1819

Sequence 1, Application US/09671658A  
Patent No. 6535190

GENERAL INFORMATION:

APPLICANT: Gorman, Daniel M.

TITLE OF INVENTION: Mammalian Cell Surface Antigens: Related

Real  
NUMBER OF SEQUENCES. 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: DNAX Research Institute  
STREET: 901 California Avenue

CITY: Palo Alto

STATE: California  
COUNTRY: USA

ZIP: 94304-1104

COMPUTER READABLE FORM:  
MEDIUM TYPE: F1000

COMPUTER: IBM PC C

OPERATING SYSTEM:  
SOFTWARE: Patent In

CURRENT APPLICATION DATE

APPLICATION NUMBER  
FILING DATE: 27-Sep-2010

CLASSIFICATION: <U>  
PRIORITY: PRIORITY

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      FROM APPLICATION DATA:
      APPLICATION NUMBER

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FILING DATE: 12-DEC-2007

APPLICATION NUMBER  
FILING DATE: 13-DEC-

ATTORNEY/AGENT INFORMATION

NAME: CILING, EDWIN  
REGISTRATION NUMBER:

## REFERENCE/DOCKET NUMBER

TELECOMMUNICATION INFORMATION  
TELEPHONE: (650) 852

TELEFAX: (650) 496-1

### SEQUENCE CHARACTERISTICS

LENGTH: 2191 base pairs  
TYPE: nucleotide sequence

STRANDEDNESS: single

TOPOLOGY: linear  
MOLECULE TYPE: CDNA

FEATURE: CDNA

NAME/KEY:	CDS
LOCATION:	125 107

SEQUENCE DESCRIPTION: SE

US-09-671-658A-1

Query Match 99.18;

Best Local Similarity 99.88;  
Matches 1628; Conservative

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

1 CCGGCGTCCACACGAGGG

189 CCGGCGTCCACACGAGGG

Qy	61	CACCCGCCCCCTCCCGCTTCATGTTCTGCGCCCTCTGCGGCTGAGACTGGCCAGGTGG	120
Dp	249	CACCCGCCCCCTCCCGCTTCATGTTCTGCGCCCTCTGCGGCTGAGACTGGCCAGGTGG	308
Qy	121	TCTGAGCATGGCTCTGTTCTGTACTTTCAGGCGAGATGGATCCCTAACAGAAATACG	180
Dp	309	TCTGAGCATGGCTCTGTTCTGTACTTTCAGGCGAGATGGATCCCTAACAGAAATACG	368
Qy	181	AAGACGACATCATCGCTTTATAGAAATCTGAGACTTCATGAAACGCAAGATTTGCAG	240
Dp	369	AAGACGACATCATCGCTTTATAGAAATCTGAGACTTCATGAAACGCAAGATTTGCAG	428
Qy	241	ACTGACTCTGAGAGATGGAAGACACACTACCTGACTCTGACAGAGATGAAACAGCCT	300
Dp	429	ACTGACTCTGAGAGATGGAAGACACACTACCTGACTCTGACAGAGATGAAACAGCCT	488
Qy	301	TTGAGGGGGCGGTGCACAGAACTGCAACACTGTTGGGGCCACACGCCCTTCTCAGAG	360
Dp	489	TTGAGGGGGCGGTGCACAGAACTGCAACACTGTTGGGGCCACACGCCCTTCTCAGAG	548
Qy	361	CTCCAGTATGATGGAAGGCTCATGTTGATGTGGCCAGCGAGCAAGCCTGAGAGGCC	420
Dp	549	CTCCAGTATGATGGAAGGCTCATGTTGATGTGGCCAGCGAGCAAGCCTGAGAGGCC	608
Qy	421	AGCCATTGCGACACCTCACCATCAATGCTGCGCAGATCCCATCGGGTCCCATTAAGTCA	480
Dp	509	AGCCATTGCGACACCTCACCATCAATGCTGCGCAGATCCCATCGGGTCCCATTAAGTCA	568
Qy	481	CTCTGTCCTTTGGTACCAAGATCGAGGCTGGGCCAAGATCTCTAACATGACGTTAAGCA	540
Dp	669	CTCTGTCCTTTGGTACCAAGATCGAGGCTGGGCCAAGATCTCTAACATGACGTTAAGCA	728
Qy	541	ACGGAATCTAAGGGTTAACCAAGATGGCTTCTATTACCTGACGCCAACAATTCGTTTC	600
Dp	729	ACGGAATCTAAGGGTTAACCAAGATGGCTTCTATTACCTGACGCCAACAATTCGTTTC	788
Qy	601	GGCATCATGAACATCGGGAACCGTACCGACGACTATCTTCAGTGTGATGTCG	660
Dp	789	GGCATCATGAACATCGGGAACCGTACCGACGACTATCTTCAGTGTGATGTCG	848
Qy	661	TTAAACCGCATCAAAAATCCCACTTCATTAACCTGATGAAGGAGGGGACGAGAAA	720
Dp	849	TTAAACCGCATCAAAAATCCCACTTCATTAACCTGATGAAGGAGGGGACGAGAAA	908
Qy	721	ACTGGTCGGCAATTCGAATTCACCTTTATTCATTAATGTTGGGGGATTTTTCAGC	780
Dp	909	ACTGGTCGGCAATTCGAATTCACCTTTATTCATTAATGTTGGGGGATTTTTCAGC	968
Qy	781	TCCGAGCTGGTGAANAATTTAGCAATTCAGGTGCCAACCCCTTCCTGATCCGATC	840
Dp	969	TCCGAGCTGGTGAANAATTTAGCAATTCAGGTGCCAACCCCTTCCTGATCCGATC	1028
Qy	841	AAGATGCGAGTACTTTGGGGCTTTCAAAGTTCAGGACATAGACTGACATCTTCGTC	900
Dp	1029	AAGATGCGAGTACTTTGGGGCTTTCAAAGTTCAGGACATAGACTGACATCTTCGTC	1088
Qy	901	GAACATTAGCATGTGATGCTCAGATGTTTGGAAACTCTTAAAAAAATGATGATCTCAT	960
Dp	1089	GAACATTAGCATGTGATGCTCAGATGTTTGGAAACTCTTAAAAAAATGATGATCTCAT	1148
Qy	961	ACATGTGTAAAGACTACTAAGAGACATGCGCCAGGGGTATGAAACCTCACAGCCCTCTGC	1020
Dp	1149	ACATGTGTAAAGACTACTAAGAGACATGCGCCAGGGGTATGAAACCTCACAGCCCTCTGC	1208
Qy	1021	TTGAGCTGTACAGAGTGTGTATATGTAAAGTTCATAGGTGATGTAGATTATGATGAT	1080
Dp	1209	TTGAGCTGTACAGAGTGTGTATATGTAAAGTTCATAGGTGATGTAGATTATGATGAT	1268
Qy	1081	TACACACGCTTTTACAAATTTGTAAATGATTTCCCT-AGAAATGAACCAATTCGGGAGGG	1139
Dp	1269	TACACACGCTTTTACAAATTTGTAAATGATTTCCCT-AGAAATGAACCAATTCGGGAGGG	1328

QY	1130	TATTCCGATGCTTATGAAAACTTACACGTGACTTATGGAGGGGGTGCACTCTCTGG	1139
Db	1329	TATTCGATGCTTATGAAAACTTACACGTGACTTATGGAGGGGGTGCACTCTCTGG	1388
QY	1200	TCTAACCCCTGGGACATGTGGCACTGAGAACCTTGAATTTAGAGGATGCCATGTCATTC	1259
Db	1389	TCTAACCCCTGGGACATGTGGCACTGAGAACCTTGAATTTAGAGGATGCCATGTCATTC	1448
QY	1260	AAAGAAATGATAGTGTGAAGGGTTAGTCTTTGCAATTTGTACATTCGGTGGGACCTG	1319
Db	1449	AAAGAAATGATAGTGTGAAGGGTTAGTCTTTGCAATTTGTACATTCGGTGGGACCTG	1508
QY	1320	CAATTAAGTCTTTTTTTTCTAATGAGGAGCAAAAATATATGATTTTTATATATGCT	1379
Db	1509	CAATTAAGTCTTTTTTTTCTAATGAGGAGCAAAAATATATGATTTTTATATATGCT	1568
QY	1380	AAAGTATATTTTCAGGTATATGTTTGTGTGCAAAAGTTTGTAATATATTTGTGCTA	1439
Db	1569	AAAGTATATTTTCAGGTATATGTTTGTGTGCAAAAGTTTGTAATATATTTGTGCTA	1628
QY	1440	TAGTATTGATTCAAAATATTTTAAAAATGCTGCACTGTTGACATATTTAATGTTTAAAT	1499
Db	1629	TAGTATTGATTCAAAATATTTTAAAAATGCTGCACTGTTGACATATTTAATGTTTAAAT	1688
QY	1500	GTACAGATGTATTTAACGTGGTCACATTGTATATTCCTCGAAGTACTGATAGTAAAGG	1559
Db	1689	GTACAGATGTATTTAACGTGGTCACATTGTATATTCCTCGAAGTACTGATAGTAAAGG	1748
QY	1560	GGCAGAAATCTGTTCTGGTGGCCACAGATGTTATTTCTTATCTTTTAACTTAAAT	1619
Db	1749	GGCAGAAATCTGTTCTGGTGGCCACAGATGTTATTTCTTATCTTTTAACTTAAAT	1808
QY	1620	AGAGCTTTCAG 1630	
Db	1809	AGAGCTTTCAG 1819	

RESULT 13  
US-09-052-521C-3

; Sequence 3, Application US/09052521C  
; Patent No. 6316408

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; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
;

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FILE REFERENCE: A-451BIV

CURRENT APPLICATION NUMBER: US/09/052  
CURRENT FILING DATE: 1998-03-30

PRIOR APPLICATION NUMBER: 08/880,855  
PRIOR FILING DATE: 1997-06-23

PRIOR APPLICATION NUMBER: 08/842,842  
 PRIOR FILING DATE: 1997-04-16  
 NUMBER OF CTS: 1

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; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1.1
; SEQ ID NO 3

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TYPE: DNA  
LENGTH: 2271

ORGANISM: Human  
FEATURE:

NAME/KEY: CDS  
LOCATION: (185) (1135)

US-09-052-521C-3

Query Match  
Best Local Similarity

Matches 1285; Conservati

QY 1 CCGGCTCCACA

Db 249 CCGGAGCCCGCA

QY	61	CACCCGCCCTC
		111111111111

DB 306 CCCCGCGCCTC

Matches 1285;	Conservative	0;	Mismatches	314;	Indels	47;	Gaps	11;
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Db  
249 CCGAGCCCGCACGAGGGCCCCCTGCACGCCCCGC---CGCCGCTGGCCCGGCACACAGC 305

61 CACCAGGCGCTCCCGCTCCATGTTCTCGGCCCTCTCTGGGCTGGGACTGGGCGAGGTGG 120

306 ccccccgcctcccggtccatgttcgtgccccctcctggggcctggggcctggccacagttg 365

QY	1187	CACAGCTCTTGGGCTTAA	CCCCCTGGACATGTCC	ACTGAGAACTTGA	AAATTAAGGAT	1246	
Db	1441	-----	-TTGGTCCCTGCTACGTG	CCCCCTTGGACG	-TGAATGTGAGAGGCT	1485	
QY	1247	GCCATGCTATTCGAA	GAAGATATGTGTGA	AGGTTAAGTCTTTG	CAATGTGTACAT	1306	
Db	1486	GTCATCT -AGGCA	ATTGAAGATCATGTGA	AGGGGCAAAATCTTT	CAATGTGTACATC	1544	
QY	1307	GCGCTGGACCTGCA	AAATTAAGTCTCTTT	TTCTATGAGAGAGAA	AAATATATATTT	1386	
Db	1545	ATGCTGGAACTGCA	AAAAATAC - - -	TTTCTATGAGAGAG	-AAATATATATTT	1600	
QY	1367	TTATATATGCTAA	AGTATATTTACG	GTGTAATGTTTCTGTG	CAAACTTTGTAAT	1426	
Db	1601	TTATATATATCTAA	AGTTATATTTCA	GTGATATATGTTTCT	TGCAAGATATGTAAT	1660	
QY	1427	TATATTTGCTAT	AGTATTTGATTC	CAAAATATTTAA	AAATGTCTCACTGTG	CAAT	1486
Db	1661	TATATTTGCTAT	AGTATTTGATTC	CAAAATATTTAA	AAATGTCTCTTTC	CAAT	1720
QY	1487	TAAATGTTTAAAT	ATACAGATGTTTA	ACTGTGTGCACTT	GTGTAATCCCTG	-----AA	1541
Db	1721	TAAATGTTTAAAT	ATACAGATGTTTA	ACTGTGTGCACTT	GTGTAATCCCTG	-----AA	1780
QY	1542	GGTACTGTAGCTA	AGGGGAGAAATCT	GTTCGTGTGACAC	ATGATGTTATTTCT	1601	
Db	1781	CTTGACACTAGG	GGGAGAAAAATCT	GTTCGTGTAATTC	AAATGCAATATTTCT	1840	
QY	1602	TATTCCTTTTA	ACTTAATAGAGCT	T	1627		
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RESULT 14  
US-08-996-139-12 : Sequence 12, Application US/08996139  
Patent No. 6017729  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
APPLICANT: Galibert, Laurent  
APPLICANT: Maraskovsky, Eugene  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/996,139  
FILING DATE: 22 DECEMBER 1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USN 60/064,671  
FILING DATE: 14 OCTOBER 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USN 08/813,509  
FILING DATE: 07 MARCH 1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: USN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (206)587-0430  
 TELEFAX: (206)233-0644  
 INFORMATION FOR SEQ ID NO: 12:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 954 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens  
 IMMEDIATE SOURCE:  
 LIBRARY:  
 CLONE: huRANKL (full length)  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..951  
 US-08-936-139-12

Query Match 37.7% Score 615; DB 3; Length 954;  
 Best Local Similarity 82.2% Pred. No. 2,1e-158;  
 Matches 734; Conservative 0; Mismatches 150; Indels 9; Gaps 2;

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 61 CACCGCGCCGCTCCGCTCCATGTCCTGCGCCCTGCGGAGGCGGCGCCAGTGG 120  
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 181 AAGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240  
 242 AAGATGGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 301  
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 835 CGATCAAG 887  
 902 CGATCAAG 954

RESULT 15  
 US-08-995-659-12  
 Sequence 12, Application US/08995659  
 Patent No. 6242213  
 GENERAL INFORMATION:  
 APPLICANT: Anderson, Dirk M.  
 APPLICANT: Galibert, Laurent  
 APPLICANT: Maraszkovsky, Eugene  
 TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
 NUMBER OF SEQUENCES: 19  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Immunex Corporation, Law Department  
 STREET: 51 University Street  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98101  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: Apple Operating System 7.5.5  
 SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/995,659  
 FILING DATE: 22 DECEMBER 1997  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: USSN 60/064,671  
 FILING DATE: 14 OCTOBER 1997  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: USSN 08/813,509  
 FILING DATE: 07 MARCH 1997  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: USSN 08/772,330  
 FILING DATE: 23 DECEMBER 1996  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Perkins, Patricia Anne  
 REGISTRATION NUMBER: 34,693  
 REFERENCE/DOCKET NUMBER: 2852-A  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206)233-0644  
 TELEFAX: (206)587-0430  
 INFORMATION FOR SEQ ID NO: 12:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 954 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens  
 IMMEDIATE SOURCE:  
 LIBRARY:  
 CLONE: huRANKL (full length)  
 FEATURE:

NAME/KEY: CDS  
LOCATION: 1..951  
US-08-995-659-12

Query Match 37.7%; Score 615; DB 3; Length 954;  
Best Local Similarity 82.2%; Pred. No. 2, 1e-158;

Matches 734; Conservative 0; Mismatches 150; Indels 9; Gaps 2;

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OY 121 TCTGACGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
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Db 182 TCTGACGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 241
OY 181 AAGACAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
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Db 242 AAGATGGACATCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 301
OY 241 ACTCGACTGAGAGTGAAGAC-----ACTACTGCTGCTGCTGCTGCTGCTG 294
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Db 302 ACACAACTCTGAGAGTCAAGATACAAATTAATGATGATGATGATGATGATGAT 361
OY 295 AAGCTTTGAGGCGCGCTGCAAGAACTGCAACATGCTGCGGCGCACAGGCT 354
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OY 535 TAAGCAAGGAAACTAAGGCTTAACCAAGATGCTGCTGCTGCTGCTGCTGCT 594
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OY 595 GCTTCGCACTGATGAATCCGGAAGCTACCTACAGACTATCTTCACTGATGT 654
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OY 655 ATGCTGTTAAACGACGATCAAAATCCCAAGTCTCATTAACCTGATGAAGG 714
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Job time: 111 secs

Thu Sep 11 16:16:45 2003

us-09-688-459-10.rnpb

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 10, 2003, 21:26:54 ; Search time 411 Seconds

(without alignments)  
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Title: US-09-688-459-10

Perfect score: 1630

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Scoring table: IDENTITY\_NUC

Gapop 10.0, Gapext 1.0

Searched: 1632420 seqs, 1213878141 residues

Total number of hits satisfying chosen parameters: 3264840

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1615.8	99.1	2191	12	US-09-879-569-6
5	1586.2	97.4	2237	13	US-10-326-052-1
6	939.6	57.6	2271	14	US-10-017-910-3
7	928.6	57.0	2201	14	US-10-218-547-21
8	885.4	54.3	2201	14	US-10-272-411-51
9	885.4	54.3	951	14	US-10-105-057-1
10	832.8	51.1	1823	13	US-10-017-910-1
11	832.8	51.1	1823	13	US-10-272-411-1
12	832.8	51.1	1823	14	US-10-272-328A-51
13	613	37.7	954	9	US-09-871-856-12
14	613	37.7	954	10	US-09-877-650-12
15	466	28.6	522	11	US-09-791-153A-75
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17	97	6.0	1186	10	US-09-880-457-3	Sequence 3, Appl1
18	97	6.0	1186	12	US-10-216-163-81	Sequence 81, Appl1
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21	97	6.0	1186	14	US-10-230-338-81	Sequence 81, Appl1
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32	97	6.0	1186	14	US-10-219-075-81	Sequence 81, Appl1
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38	97	6.0	1186	14	US-10-230-231-81	Sequence 81, Appl1
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RESULT 1  
US-09-871-856-10  
Sequence 10, Application US/09871856  
Patent No. US20020081720A1  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
Gallbert, Laurent  
TITLE OF INVENTION: Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Power Macintosh  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/871.856  
FILING DATE: 31 May 2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/996.139  
FILING DATE: <Unknown>  
APPLICATION NUMBER: USSN 08/813.509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772.330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2851-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430



TELEFAX: (206)233-0644  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1630 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHEICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Mus musculus  
 IMMEDIATE SOURCE:  
 LIBRARY: <Unknown>  
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 NAME/KEY: CDS  
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 US-09-671-856-10

Query Match 100.0% Score 1630; DB 9; Length 1630;  
 Seq: Local Similarity 100.0%; Pred. No. 0;  
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QY      61  CACCCCGCCCTCCGCTCCATGTTCTGCGCTCTGAGGCTGGAGCTGGGCGGCGAG 120
DB      61  CACCCCGCCCTCCGCTCCATGTTCTGCGCTCTGAGGCTGGAGCTGGGCGGCGAG 120
QY      121  TCTGCGAGCTGCGCTCTGCTTCTGCTGCTGCTGAGCGCAGATGATGATTAACAGATATGAG 180
DB      121  TCTGCGAGCTGCGCTCTGCTTCTGCTGCTGAGCGCAGATGATGATTAACAGATATGAG 180
QY      181  AAGACAGCAGCTAGCTTTTATAGATCTGAGAGCTCATGAAAGCAGATTTGCAAG 240
DB      181  AAGACAGCAGCTAGCTTTTATAGATCTGAGAGCTCATGAAAGCAGATTTGCAAG 240
QY      241  ACTCGACTGTGAGAGTGAAGACACACTACCTGACTCTCTGAGAGAGATGAAAGCAAGCT 300
DB      241  ACTCGACTGTGAGAGTGAAGACACACTACCTGACTCTCTGAGAGAGATGAAAGCAAGCT 300
QY      301  TTCAGGGGGCCGTGCAAGAGAGCAACATTTGCGGCCACAGGCTTCTGAGGAG 360
DB      301  TTCAGGGGGCCGTGCAAGAGAGCAACATTTGCGGCCACAGGCTTCTGAGGAG 360
QY      361  CTCGAGCTATGATGAGAGCTCATGCTGATGTGGCCACAGGAGGCAAGGCTGAGGCC 420
DB      361  CTCGAGCTATGATGAGAGCTCATGCTGATGTGGCCACAGGAGGCAAGGCTGAGGCC 420
QY      421  AGCCATTGACACCTCATCATATGCTGCAAGATCCCATCGGCTTCCCATTAAGTCA 480
DB      421  AGCCATTGACACCTCATCATATGCTGCAAGATCCCATCGGCTTCCCATTAAGTCA 480
QY      481  CTCGTCTCTGTTGATACAGATGAGGCTGGGCGCAAGATCTCTAACATGACGTTAAGCA 540
DB      481  CTCGTCTCTGTTGATACAGATGAGGCTGGGCGCAAGATCTCTAACATGACGTTAAGCA 540
QY      541  ACGGAAACCTAAGGTTAACCAAGATGGCTTCTATTACCTGTACGCCAATTTGCTTC 600
DB      541  ACGGAAACCTAAGGTTAACCAAGATGGCTTCTATTACCTGTACGCCAATTTGCTTC 600
QY      601  GGCATCATGAACATCGGGAAGGCTACCTACAGACTATCTTACAGCTGATGATGATGTC 660
DB      601  GGCATCATGAACATCGGGAAGGCTACCTACAGACTATCTTACAGCTGATGATGATGTC 660
QY      661  TTAAGACAGATCAAAATCCCAAGTCTCTATACTGATGAAGAGGAGGACGACGAAAA 720
DB      661  TTAAGACAGATCAAAATCCCAAGTCTCTATACTGATGAAGAGGAGGAGGACGACGAAAA 720

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QY      721  ACTGTCGGGCAATTCGATTCACCTTTATTCCTCAATTAATGTTGGGGAATTTTCAAGC 780
DB      721  ACTGTCGGGCAATTCGATTCACCTTTATTCCTCAATTAATGTTGGGGAATTTTCAAGC 780
QY      781  TCCGAGCTGTGAAGAAATTAAGCATAGAGTGTCCAAACCTCCCTGCTGATCCGGATC 840
DB      781  TCCGAGCTGTGAAGAAATTAAGCATAGAGTGTCCAAACCTCCCTGCTGATCCGGATC 840
QY      841  AAGATGGAGCTACTTTGGGCTTCCAAAGTTACAGACATAGACTGAGACTATTTGTCG 900
DB      841  AAGATGGAGCTACTTTGGGCTTCCAAAGTTACAGACATAGACTGAGACTATTTGTCG 900
QY      901  GAACATTAAGCATGATGCTTCTAGATGTTTGAAGAACTCTTAAGAAATGATGATGCTAT 960
DB      901  GAACATTAAGCATGATGCTTCTAGATGTTTGAAGAACTCTTAAGAAATGATGATGCTAT 960
QY      961  ACATGTGTAGACACTAATGAAGACATGCCCCAGGCTGTATGAAGTACAGCCCTCTCTC 1020
DB      961  ACATGTGTAGACACTAATGAAGACATGCCCCAGGCTGTATGAAGTACAGCCCTCTCTC 1020
QY      1021  TTGAGCCTGTACAGAGTGTGTATATGTAAGTCCATAGGATGATGATGATGATGAT 1080
DB      1021  TTGAGCCTGTACAGAGTGTGTATATGTAAGTCCATAGGATGATGATGATGATGATGAT 1080
QY      1081  TACCAACGCTTTTACAAATTTTGTATGATTTCTTGAATTTGAACCAAGATGCGAGAGCT 1140
DB      1081  TACCAACGCTTTTACAAATTTTGTATGATTTCTTGAATTTGAACCAAGATGCGAGAGCT 1140
QY      1141  ATTCCGATGCTTATGAAGAACTTACAGCTGAGCTATGGAAGGGGGGACAGCTCTGGGT 1200
DB      1141  ATTCCGATGCTTATGAAGAACTTACAGCTGAGCTATGGAAGGGGGGACAGCTCTGGGT 1200
QY      1201  CTAAACCCCTGACATGTCGACCTGAGACCTTGAATTAAGAGATGCCATGCTATTGCA 1260
DB      1201  CTAAACCCCTGACATGTCGACCTGAGACCTTGAATTAAGAGATGCCATGCTATTGCA 1260
QY      1261  AAGAAATGATAGTGAAGGTTAAGTCTTTGAATTTGTAATTTGATGATGATGATGATGAT 1320
DB      1261  AAGAAATGATAGTGAAGGTTAAGTCTTTGAAATTTGTAATTTGATGATGATGATGATGAT 1320
QY      1321  AATTAAGTCTTTTCTTCTTAATGAGAGAGAAATTAATGATGATGATGATGATGATGAT 1380
DB      1321  AATTAAGTCTTTTCTTCTTAATGAGAGAGAAATTAATGATGATGATGATGATGATGAT 1380
QY      1381  AAGTATATTTGAGGCTATGATTTTCTGCAAACTTTGTAATTAATTTGATGATGAT 1440
DB      1381  AAGTATATTTGAGGCTATGATTTTCTGCAAACTTTGTAATTAATTTGATGATGAT 1440
QY      1441  AGTATTTGATCAAAATTAATTAATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
DB      1441  AGTATTTGATCAAAATTAATTAATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
QY      1501  TACAGATGATTTAATGCTGGTGCATTTGATTTCCCTGAAGGATGCTGATGATGATGATGAT 1560
DB      1501  TACAGATGATTTAATGCTGGTGCATTTGATTTCCCTGAAGGATGCTGATGATGATGATGAT 1560
QY      1561  GCAGATGATGCTTTGCTGATGACACATGATGATTTATTTCTTATTTCTTTAACTAATA 1620
DB      1561  GCAGATGATGCTTTGCTGATGACACATGATGATTTATTTCTTATTTCTTTAACTAATA 1620
QY      1621  GAGCTCTGAG 1630
DB      1621  GAGCTCTGAG 1630

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RESULT 2  
 US-09-877-650-10  
 Sequence 10, Application US/09877650  
 Patent No. US20020169117A1  
 GENERAL INFORMATION:  
 APPLICANT: Anderson, Dirk M.  
 Galibert, Laurent  
 Maraskovsky, Eugene



```

TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/877,650
FILING DATE: 08-Jun-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/995,659
FILING DATE: 1997-12-22
APPLICATION NUMBER: USSN 08/813,509
FILING DATE: 07 MARCH 1997
APPLICATION NUMBER: USSN 08/772,330
FILING DATE: 23 DECEMBER 1996
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2852-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1630 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Mus musculus
IMMEDIATE SOURCE:
LIBRARY: <unknown>
FEATURE:
NAME/KEY: CDS
LOCATION: 3..884
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-877-650-10
Query Match      100.0%; Score 1630; DB 10; Length 1630;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1630; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 241 ACTGACCTCTGGAGAGTGAAGACACACTACTCTCTCTCAGAGAGATGAACAGCCT 300
Qy 301 TTTCAGGGGGCCCTGCAGAGAACTGCACACATTTGGGGGCACAGCGTTCTCAGAG 360
Db 301 TTTCAGGGGGCCCTGCAGAGAACTGCACACATTTGGGGGCACAGCGTTCTCAGAG 360
Qy 361 CTCACGCTATGATGGAAGGCTCATGTTGGATGTGGCCACGAGGCAAGCCTGAGGCC 420
Db 361 CTCACGCTATGATGGAAGGCTCATGTTGGATGTGGCCACGAGGCAAGCCTGAGGCC 420
Qy 421 AGCCATTGGACACCTTACCATCATGTCTCCAGCATCCCATCGGGTTCCCTAAAGTCA 480
Db 421 AGCCATTGGACACCTTACCATCATGTCTCCAGCATCCCATCGGGTTCCCTAAAGTCA 480
Qy 481 CTCTGTCTCTTGTGTACACAGATCGAGGCTGGGCCAAGATCTTAACATGACGTTAAGCA 540
Db 481 CTCTGTCTCTTGTGTACACAGATCGAGGCTGGGCCAAGATCTTAACATGACGTTAAGCA 540
Qy 541 ACGGAAAGCTAAGGGTTAACCAAGATGGCTCTATTACCTGACCCCAACATTTGCTTTC 600
Db 541 ACGGAAAGCTAAGGGTTAACCAAGATGGCTCTATTACCTGACCCCAACATTTGCTTTC 600
Qy 601 GGCATATGAACATGCGGAGCGTACAGACTATCTTCAGCTGATGGTATGTGCG 660
Db 601 GGCATATGAACATGCGGAGCGTACAGACTATCTTCAGCTGATGGTATGTGCG 660
Qy 661 TTAACACGACATCAAAATCCCAAGTTCATTAACCTGTAAGAGAGAGGACGAGAAA 720
Db 661 TTAACACGACATCAAAATCCCAAGTTCATTAACCTGTAAGAGAGAGGACGAGAAA 720
Qy 721 ACTGGTGGGGAATCTGATTTCACTTTATTCATTAATGTTGGGGATTTTCAAGC 780
Db 721 ACTGGTGGGGAATCTGATTTCACTTTATTCATTAATGTTGGGGATTTTCAAGC 780
Qy 781 TCCGAGCTGTGAAGAAATTAAGCATTCAGGCTGTCACACCTTCCTGCTGATCGGATC 840
Db 781 TCCGAGCTGTGAAGAAATTAAGCATTCAGGCTGTCACACCTTCCTGCTGATCGGATC 840
Qy 841 AAGATGCGACGTACTTGGGGCTTTCAAAGTTAGAGCATAGACTGACATTCATTCGTG 900
Db 841 AAGATGCGACGTACTTGGGGCTTTCAAAGTTAGAGCATAGACTGACATTCATTCGTG 900
Qy 901 GAACATTAGCATGATGCTCTAGATGTTTGAAGCTTTTAAAGATGATGATCTAT 960
Db 901 GAACATTAGCATGATGCTCTAGATGTTTGAAGCTTTTAAAGATGATGATCTAT 960
Qy 961 ACATGTGTAAAGACTACTAAGAGCATGGCCAGGCTGTATGAAGCTCACAGCCCTCTTC 1020
Db 961 ACATGTGTAAAGACTACTAAGAGCATGGCCAGGCTGTATGAAGCTCACAGCCCTCTTC 1020
Qy 1021 TTGAGCCTGTACAGGTTGTATATGTAAAGTCCATAGTGATGATGATGATGAT 1080
Db 1021 TTGAGCCTGTACAGGTTGTATATGTAAAGTCCATAGTGATGATGATGATGAT 1080
Qy 1081 TACACAAGGTTTACAAATTTTGAATGTTTCTGAATTTGAACCAAGTTGGAGAGT 1140
Db 1081 TACACAAGGTTTACAAATTTTGAATGTTTCTGAATTTGAACCAAGTTGGAGAGT 1140
Qy 1141 ATTCCGATGCTTATGAAGAACTTACAGGTGACGTATGAAGGGGTCACAGTCTGGGT 1200
Db 1141 ATTCCGATGCTTATGAAGAACTTACAGGTGACGTATGAAGGGGTCACAGTCTGGGT 1200
Qy 1201 CTAAACCCCTGACATGTGCACAGTAAGCTTGAAGGATGATGATGATGATGATGAT 1260
Db 1201 CTAAACCCCTGACATGTGCACAGTAAGCTTGAAGGATGATGATGATGATGATGAT 1260
Qy 1261 AAGAATGTATGTGTGAAGGTTAAGTCTTTTGAATTTTACATTTGGCTGGACCTGC 1320
Db 1261 AAGAATGTATGTGTGAAGGTTAAGTCTTTTGAATTTTACATTTGGCTGGACCTGC 1320
Qy 1321 AATATAGTCTTTTCTTATATGAGAGAGAAATATATGATTTTATATATATGCTTA 1380
Db 1321 AATATAGTCTTTTCTTATATGAGAGAGAAATATATGATTTTATATATATGCTTA 1380

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us-09-688-459-10.rnpb

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? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (650)852-9196
? TELEFAX: (650)496-1204
? INFORMATION FOR SEQ ID NO: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 2191 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 125..1072
? SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-326-052-1

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Query Match          99.1%;      Score 1615.8;      DB 12;      Length 2191;
Best Local Similarity 99.8%;
Matches 1628; Conservative 0; Mismatches 2; Indels 1; Gaps 1

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Db	1362	ATTCCGATGCTTAATGAAAACTTACACGAGCATATGAGAAAGGGGTCACAGCTCTGGGT	1422
QY	1201	CTAACCCCTGGACATGTGCCACGTGAGAACCTTGAATTAAGAGATGCGATGTCAATGCA	1266
Db	1422	CTAACCCCTGGACATGTGCCACGTGAGAACCTTGAATTAAGAGATGCGATGTCAATGCA	1481
QY	1261	AAGAAATGATATCTGTGCAAGGGTTAAGTCTTTTGAATGTTCATCTGGCTGGACCTGC	1320
Db	1482	AAGAAATGATATCTGTGCAAGGGTTAAGTCTTTTGAATGTTCATCTGGCTGGACCTGC	1541
QY	1321	AAATAAGTCTTTTCTTCTAATGAGGAGAGAAAATATATGATTTTTATATAATGTCTA	1380
Db	1542	AAATAAGTCTTTTCTTCTAATGAGGAGAGAAAATATATGATTTTTATATAATGTCTA	1601
QY	1381	AAGTAAATATTCAGGTGTATATGTTTCTGTGCAAAAGTTTGTAAATATATATGTGCTAT	1440
Db	1602	AAGTAAATATTCAGGTGTATATGTTTCTGTGCAAAAGTTTGTAAATATATATGTGCTAT	1661
QY	1441	AGTATTTGATTCAAAAATATTTAAAAAGTCCACATGTTGACATTTTAAATGTTTAAATG	1500
Db	1662	AGTATTTGATTCAAAAATATTTAAAAAGTCCACATGTTGACATTTTAAATGTTTAAATG	1721
QY	1501	TACAGATGATTTAACGTGTGCTGACTTTGTAAATCCCTGGAAGGATCTGTAAGCTTAAGGG	1560
Db	1722	TACAGATGATTTAACGTGTGCTGACTTTGTAAATCCCTGGAAGGATCTGTAAGCTTAAGGG	1781
QY	1561	GCAGAAATAGTGTTCGTGTGACGCATGTATGTTATTTCTTTTAACTTAATA	1620
Db	1782	GCAGAAATAGTGTTCGTGTGACGCATGTATGTTATTTCTTTTAACTTAATA	1841
QY	1621	GAGCTTCAG	1630
Db	1842	GAGCTTCAG	1851

Publication No. US20030144480A1

GENERAL INFORMATION:

APPLICANT: GORMAN

Mattson, Jeanine

**TITLE OF INVENTION:** Mamma 14a

CLASS OF INVENTION: Mammalia

Reagents	NUMBER OF SENTENCES
1. 100% correct	100
2. 90% correct	90
3. 80% correct	80
4. 70% correct	70
5. 60% correct	60
6. 50% correct	50
7. 40% correct	40
8. 30% correct	30
9. 20% correct	20
10. 10% correct	10
11. 0% correct	0

NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS

CORRESPONDENCE ADDRESS:  
ADDRESS:

ADDRESSEE: DNAX Research

STREET: 901 California

CITY: Palo Alto

STATE: California

COUNTRY: USA

COUNTRY: USA  
ZIP: 94304-1104

ZLP: 94304-1104  
COMPUTER READABLE FORM:

COMPUTER READABLE FORM:  
MEDLINE TYPE: F1000044-1

MEDIUM TYPE: Floppy dls)

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS

**SOFTWARE:** PatentIn Release 2.0.5

**CURRENT APPLICATION DATA:**

APPLICATION NUMBER: US/7

REGISTRATION NUMBER: US/1  
FILING DATE: 23-Dec-2007

CLASSIFICATION: ~~Unknown~~  
FILING DATE: 23-Dec-2002

CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA: -

PRIOR APPLICATION DATA: -  
APPLICATION NUMBER: 775 40

APPLICATION NUMBER: US/0  
FILING DATE: 27 3 2000

FILING DATE: 27-Sep-2000

APPLICATION NUMBER: US/0

FILING DATE: 12-DEC-1997

APPLICATION NUMBER: US 6

FILING DATE: 13-DEC-1996

ENDING DATE: 13-DEC-1996  
ATTORNEY/AGENT INFORMATION:

NAME: Ching, Edwin P

NAME: Chung, Edwin P.  
REGISTRATION NUMBER: 34

REGISTRATION NUMBER: 34,  
REFERENCE/DOCKET NUMBER:

REFERENCE/DOCKET NUMBER:

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Db      969 TCCGAGCTGTGTAAGAAATAGCATTCAGCTGTCCAAACCTCCCTGCTGATCCGATC 1028
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Db      1029 AAGATGCGAGCTACTTGGGCTTTCAAAGTTCAGAGCATAGACTGAGACTATTCGTG 1088
QY      901 AAGATGCGAGCTACTTGGGCTTTCAAAGTTCAGAGCATAGACTGAGACTATTCGTG 960
Db      1089 GACATATAGCATGATGTCTAGATGTTCGAAACCTCTTAAAGATGATGTCTAT 1148
QY      961 ACATGTATAGCATGATGTCTAGATGTTCGAAACCTCTTAAAGATGATGTCTAT 1020
Db      1149 ACATGTATAGCATGATGTCTAGATGTTCGAAACCTCTTAAAGATGATGTCTAT 1208
QY      1021 TTGAGCTGTAGAGCTGTGTATATGTAAAGTTCATAGGATGTATTCATTCAT 1080
Db      1209 TTGAGCTGTAGAGCTGTGTATATGTAAAGTTCATAGGATGTATTCATTCAT 1268
QY      1081 TACCAAGCGTTTAAATTTGTAATGATTTCTT AGAATGACCATGATGGAGAG 1139
Db      1269 TACCAAGCGTTTAAATTTGTAATGATTTCTTAAAGATGATGGAGAG 1328
QY      1140 TATTCGATGTATGAAAACTTACAGCTAGCTATGGAAGGGGTCACTCTGCG 1199
Db      1329 TATTCGATGTATGAAAACTTACAGCTAGCTATGGAAGGGGTCACTCTGCG 1388
QY      1200 TCTAACCCCTGAGAGCTGCACTGAGAACCTTGAATTAAGAGATGCCATGTCATTC 1259
Db      1389 TCTAACCCCTGAGAGCTGCACTGAGAACCTTGAATTAAGAGATGCCATGTCATTC 1448
QY      1260 AAGAAATGATGTGAGAGGGTTAAGTTCTTTGAATGTATGACANTGGCGGAGCTG 1319
Db      1449 AAGAAATGATGTGAGAGGGTTAAGTTCTTTGAATGTATGACANTGGCGGAGCTG 1508
QY      1320 CAATTAAGTTCTTTTCTTAATGAGAGAAAAATATATATATATATATATATAT 1379
Db      1509 CAATTAAGTTCTTTTCTTAATGAGAGAAAAATATATATATATATATATATAT 1568
QY      1380 AAGTATATATTCAGGTATATGTTTCTGTCGCAAGTTTGTAAATATATATGCTA 1439
Db      1569 AAGTATATATTCAGGTATATGTTTCTGTCGCAAGTTTGTAAATATATATGCTA 1628
QY      1440 TAGTATTTGATTCAAAAATTTTAAAGTCTGACGTGTCATTTAAATGTTTAAAT 1499
Db      1629 TAGTATTTGATTCAAAAATTTTAAAGTCTGACGTGTCATTTAAATGTTTAAAT 1688
QY      1500 GTACAGATATATTTAACTGCTGCACTTTGTAATCCCTGGAAGTACCCAGTAAGG 1559
Db      1689 GTACAGATATATTTAACTGCTGCACTTTGTAATCCCTGGAAGTACCCAGTAAGG 1748
QY      1560 GGCAGAAATACGTCTTCTGTCGACCAACATGATGTTTATTTCTTTTAACTTAAT 1619
Db      1749 GGCAGAAATACGTCTTCTGTCGACCAACATGATGTTTATTTCTTTTAACTTAAT 1808
QY      1620 AGAGTCTTCAG 1630
Db      1809 AGAGTCTTCAG 1819

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RESULT 5
US-10-017-910-3
Sequence 3, Application US/1001/910
Publication No. US20020159970A1
GENERAL INFORMATION:
APPLICANT: Choi, Yongwon
Mong, Brian
Josien, Regis
Steinman, Ralph
TITLE OF INVENTION: A PROTEIN BELONGING TO THE TNE SUPERFAMILY
INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING SAM
METHODS OF USE THEREOF
NUMBER OF SEQUENCES: 14

```

## CORRESPONDENCE ADDRESS:

ADDRESSEE: Klaiber & Jackson  
STREET: 411 Hackensack Avenue, 4th Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/017,910  
FILING DATE: 14-Dec-2001  
CLASSIFICATION: <unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 09/447,035  
FILING DATE: 1999-11-22

## ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742

## TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
TELEX: 133521

## INFORMATION FOR SEQ ID NO: 3:

## SEQUENCE CHARACTERISTICS:

LENGTH: 2237 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double

MOLECULE TYPE: linear  
HYPOTHETICAL: NO

ORIGINAL SOURCE:  
ORGANISM: Mus musculus

## FEATURE:

NAME/KEY: CDS  
LOCATION: 142..1092  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-017-910-3

Query Match 97.4% Score 1588.2; DB 13; Length 2237;  
Best Local Similarity 99.6% Pred. No. 0;

Matches 1624; Conservative 0; Mismatches 3; Indels 4; Gaps 3;

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QY      1 CCGGGGTCACACAGAGGTCGCGTCCGACCCCGGCTTCTGCAACCGCTCCGGCCCGC 60
Db      206 CCGGGGTCACACAGAGGTCGCGTCCGACCCCGGCTTCTGCAACCGCTCCGGCCCGC 265
QY      61 CACCGCGGCTCCCGCTCATGTTCTGGGCGCTCCGCGGGGCTGGAGACTGGCGCAGGTG 120
Db      266 CACCGCGGCTCCCGCTCATGTTCTGGGCGCTCCGCGGGGCTGGAGACTGGCGCAGGTG 325
QY      121 TCTGAGATGCGCTCTCTCTGCTGACTTTTGAGCGGAGATGATCTTAACAGAAATACAG 180
Db      326 TCTGAGATGCGCTCTCTCTGCTGACTTTTGAGCGGAGATGATCTTAACAGAAATACAG 385
QY      181 AAGACAGACTCACTGCTTTTATAGAAATCCTGAGACTCCATGAAACGACAGATTTCAGG 240
Db      386 AAGACAGACTCACTGCTTTTATAGAAATCCTGAGACTCCATGAAACGACAGATTTCAGG 445
QY      241 ACTGACTCTGAGAGATGGAAGACACACTGACTCTGACAGAGAGTGAACAAGCT 300
Db      446 ACTGACTCTGAGAGATGGAAGACACACTGACTCTGACAGAGAGTGAACAAGCT 505
QY      301 TTGAGGGGCGCTGCAAGAGAACTCAACACATTTGGGGGACAGGGCTTCTCAGAGAG 360
Db      506 TTGAGGGGCGCTGCAAGAGAACTCAACACATTTGGGGGACAGGGCTTCTCAGAGAG 565
QY      361 CTCAGCTATGATGAGAGAGCTCATGTTGATGTGGCCAGGAGCAAGCCTGAGGCC 420

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Db 566 CTCGAGCTATGATGAGGCTCATGGTGTGATGTGGCCCGACGAGGAGCCAGCCCTGAGGCC 625  
 Qy 421 AGCCATTTGCACACCTTACCATCATATGCTGCGACATCCCATCGGGTCCCATTAAGTCA 480  
 Db 626 AGCCATTTGCACACCTTACCATCATATGCTGCGACATCCCATCGGGTCCCATTAAGTCA 480  
 Qy 481 CTCTGTCTCTTGTGTACACAGATCGAGGCTGGGCGCAAGTCTCTAATGATGATTAAGCA 540  
 Db 686 CTCTGTCTCTTGTGTACACAGATCGAGGCTGGGCGCAAGTCTCTAATGATGATTAAGCA 540  
 Qy 541 ACCGAAACTTAAGGCTTAACCAAGATGGCTTATTAATGATGATGATGATGATGATGATG 745  
 Db 746 ACCGAAACTTAAGGCTTAACCAAGATGGCTTATTAATGATGATGATGATGATGATGATG 745  
 Qy 601 GGCATCATGAAACATCGGGAAGCCGATACAGATATCTTACGATGATGATGATGATGATGATG 805  
 Db 806 GGCATCATGAAACATCGGGAAGCCGATACAGATATCTTACGATGATGATGATGATGATGATG 805  
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 Db 866 TTAACACAGCATCAAAATCCCAAGTCTCATTAACCTGATGAAAGAGGAGAGCAAGAAA 720  
 Qy 721 ACTGTCGGCAATTTCTGAATTTCCACTTTTATTCATAAATGTTGGGGATTTTCAAGC 925  
 Db 926 ACTGTCGGCAATTTCTGAATTTCCACTTTTATTCATAAATGTTGGGGATTTTCAAGC 925  
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 Db 986 TCCGAGCTGTGAGAAATTAAGCATGAGTGTCCCAACCTTCCCTGCTGATCCGATC 840  
 Qy 841 AAGATGGAGCTACTTTGGGGCTTTCAAACTGAGACATAGAGCTGATGATGATGATGATG 1045  
 Db 1046 AAGATGGAGCTACTTTGGGGCTTTCAAACTGAGACATAGAGCTGATGATGATGATGATG 1045  
 Qy 901 GAACATTAGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 960  
 Db 1106 GAACATTAGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 960  
 Qy 961 ACATGTGTAAAGCTACTTAAGACATGAGCCAGGCTGATGATGATGATGATGATGATGATG 1165  
 Db 1166 ACATGTGTAAAGCTACTTAAGACATGAGCCAGGCTGATGATGATGATGATGATGATGATG 1165  
 Qy 1021 TTGAG-CCTGTAGAGTGTGTATGATGATGATGATGATGATGATGATGATGATGATG 1225  
 Db 1226 TTGAG-CCTGTAGAGTGTGTATGATGATGATGATGATGATGATGATGATGATGATG 1225  
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 Db 1286 TTACACACGCTTTTCAATTTTGTATGATGATGATGATGATGATGATGATGATGATGATG 1139  
 Qy 1140 TATTCGATGCTTATGAAAACTTACAGTGTATGATGATGATGATGATGATGATGATGATG 1345  
 Db 1346 TATTCGATGCTTATGAAAACTTACAGTGTATGATGATGATGATGATGATGATGATGATG 1345  
 Qy 1200 TCTAACCCCTGGATATGCGCAGTGCAGACCTTGAATTAAGAGATGCGATGCTATGCG 1404  
 Db 1405 TCTAACCCCTGGATATGCGCAGTGCAGACCTTGAATTAAGAGATGCGATGCTATGCG 1404  
 Qy 1260 AAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1464  
 Db 1465 AATCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1464  
 Qy 1320 CAATTAAGTCTTTTCTTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1524  
 Db 1525 CAATTAAGTCTTTTCTTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1524  
 Qy 1380 AAGGTAATATTCAGTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1582  
 Db 1583 AAGGTAATATTCAGTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1582  
 Qy 1440 TAGTATTTGATCAAAATTTTAAATATGCTGATGATGATGATGATGATGATGATGATGATG 1499  
 Db 1543 TAGTATTTGATCAAAATTTTAAATATGCTGATGATGATGATGATGATGATGATGATGATG 1499  
 Qy 1702 TAGTATTTGATCAAAATTTTAAATATGCTGATGATGATGATGATGATGATGATGATGATGATG 1702

Qy 1500 GTACAGATGATTTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1559  
 Db 1703 GTACAGATGATTTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1762  
 Qy 1560 GGCAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1619  
 Db 1763 GGCAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1619  
 Qy 1620 AAGATCTTCAAG 1630  
 Db 1823 AAGATCTTCAAG 1833  
 RESULT 5  
 US-10-218-547-21  
 ; Sequence 21, Application US/10218547  
 ; Publication No. US20030100074N1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Human Genome Sciences, Inc.  
 ; TITLE OF INVENTION: Methods And Compositions For Treating Metabolic Bone Diseases  
 ; FILE REFERENCE: P9361  
 ; CURRENT APPLICATION NUMBER: US/10/218,547  
 ; PRIOR APPLICATION NUMBER: 60/312,542  
 ; PRIOR FILING DATE: 2001-08-15  
 ; PRIOR APPLICATION NUMBER: 60/330,761  
 ; PRIOR FILING DATE: 2001-10-30  
 ; NUMBER OF SEQ ID NOS: 57  
 ; SOFTWARE: Patent Version 3.1  
 ; SEQ ID NO 21  
 ; LENGTH: 2271  
 ; TYPE: DNA  
 ; ORGANISM: human  
 ; US-10-218-547-21  
 Query Match 57.6%; Score 939.6; DB 14; Length 2271;  
 Best Local Similarity 78.1%; Pred. No. 4,6e-229;  
 Matches 1285; Conservative 0; Mismatches 314; Indels 47; Gaps 11;  
 Qy 1 CCGGGCTCCACACGAGGGTCCGTCGACACCCGCGCTTTCGACCGGCTCCGCGCGCG 60  
 Db 249 CCGGAGCCCGACGAGGAGCCCGCTGACGCGCCGCGC---CGCCCGCTGGCCGACACG 305  
 Qy 61 CACCCGCGCGCTCCGCTCATGTTCCGCGCTCTGGGGCTGGGAGCTGGCCAGGTG 120  
 Db 306 CCGCCGCGCGCTCCGCTCATGTTCCGCGCTCTGGGGCTGGGAGCTGGCCAGGTG 365  
 Qy 121 TCTGAGCATGCTGTCTGTCTGTACTTTCGAGCGAGATGATGATGATGATGATGATGATG 180  
 Db 366 TCTGAGCATGCTGTCTGTCTGTACTTTCGAGCGAGATGATGATGATGATGATGATGATG 425  
 Qy 181 AAGACAGCATGCTGCTTTTATAGATCCTGAGACATGATGATGATGATGATGATGATGATG 240  
 Db 426 AAGATGACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 485  
 Qy 241 ACTGACTGTGAGAGTGAAGACAC-----ACTACTACTCTGAGAGAGATGATGATGATG 294  
 Db 486 ACACACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 545  
 Qy 295 AAGCTTTTCAAGGGGCGCTGCGAAGAGAGTCAACATGTTGGGGCGACAGGCTTCT 354  
 Db 546 AAGCTTTTCAAGGGGCGCTGCGAAGAGAGTCAACATGTTGGGGCGACAGGCTTCT 605  
 Qy 355 CAGGACCTCAGACTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 414  
 Db 606 GAGCAGAGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 665  
 Qy 415 AAGCCAGCATTTTTCACACCTGACCATCATGATGATGATGATGATGATGATGATGATGATG 474  
 Db 666 AAGCTGAGCTTTTCTCATCTCATCTATTAATGATGATGATGATGATGATGATGATGATGATG 725

475 AAGTACCTGCTCTTGGTACACAGATGAGGCTGGCCCAAGTCTTACATGACGT 534  
 726 AAGTACCTGCTCTTGGTACACAGATGAGGCTGGCCCAAGTCTTACATGACGT 785  
 535 TAAGACAGGAAATAAGAGGTTAAAGATGAGTCTTATACCTTACAGCAATTT 594  
 786 TTAGCAATGGAATAATAGTATATAGATGAGTCTTATATACCTTACAGCAATTT 845  
 595 GCTTTGGCAGCATCAACATCGGAAACGATACAGATCTTACCTATGATGCT 654  
 846 GCTTTGGCAGCATCAACATCGGAAACGATACAGATCTTACCTATGATGCT 905  
 655 ATGTGTTAAACACAGATCAAAATCCCAAGTCTCATTAACGATGAAGAGGAGCA 714  
 906 ACGTACACTAAACACAGATCAAAATCCCAAGTCTCATTAACGATGAAGAGGAGCA 965  
 715 CGAAACACTGCTCGGCAATTCGAATTCACATTTATTCATTAATGTTGGGAGTTT 774  
 966 CCAAGTATGCTGAGGAAATTCGAATTCATTTATTCATTAATGTTGGGAGTTT 1025  
 775 TCAAGCTCCGAGCGGGAAGAAATTAAGATGAGTCTCAACCTCTCTGCTGATC 834  
 1026 TTAAGTACAGCTCTGAGAGGAAATCAAGATCGAGGTCACAACTCTCTGCTGATC 1085  
 835 CGGATCAAGATCGAGATCTTGGGCTTCAAGTCTCAAGATCAAGATCAAGATC 894  
 1086 CGGATCAAGATCGAGATCTTGGGCTTCAAGTCTCAAGATCAAGATCAAGATC 1145  
 895 TTGCTGGAACATAGATGATCTCTAATGTTGGAACCTCTTAAATA-----AT 947  
 1146 TTTTGGAGGCTT---ATGATATCTCTGATGTTGGAACCTCTTAAATA-----AT 1202  
 948 GATGATGCTCTATACATGTTGAAGATCTAAGACATGAGGCGGCTGATGAACCTC 1007  
 1203 GAAAGATGATATAGTCTGAGACTACTAAGAGCATGAGGCGGCTGATGAACCTC 1262  
 1008 ACAGCCCTCTCTGAGGCTCTGAGACTACTAAGAGCATGAGGCGGCTGATGAACCTC 1067  
 1263 AGATACATGCTCTGAGGCTCTGAGACTACTAAGAGCATGAGGCGGCTGATGAACCTC 1322  
 1068 GATACATGCTCTGAGGCTCTGAGACTACTAAGAGCATGAGGCGGCTGATGAACCTC 1126  
 1323 GATACATGCTCTGAGGCTCTGAGACTACTAAGAGCATGAGGCGGCTGATGAACCTC 1382  
 1127 AATTTGGAGAGATGTTCCGATGCTTATGAAACCTTACACCTGATGAGAGGCT 1186  
 1383 AATTTGGAGAGATGTTCCGATGCTTATGAAACCTTACACCTGATGAGAGGCT 1440  
 1187 CACAGTCTCTGCTTAAACCTTACACCTGATGAGAGGCT 1246  
 1441 -----TTGCTCTCTGCTTAAACCTTACACCTGATGAGAGGCT 1485  
 1247 GCCATGCTTGAAGAAATGATGAGAGGCTTAACTTTTGAATGTTACAT 1306  
 1486 GTCATCT-AGGCAATTTGAAGATGATGAGAGGCTTAACTTTTGAATGTTACAT 1544  
 1307 GCGTGGGAGCTGAAATTAAGTCTTTTCTTAATGAGAGGAAATTAATTAAT 1366  
 1545 ATGCTGGAACCTGAAAAATAC---TTTTCTTAATGAGAGGAAATTAATTAAT 1600  
 1367 TTAATTAATGCTAAAGTATTTTCAAGGTAATTTTCTGCGAAAGTTTGAAT 1426  
 1601 TTAATTAATGCTAAAGTATTTTCAAGGTAATTTTCTGCGAAAGTTTGAAT 1660  
 1427 TATATTGCTCTAATGATTTGATCAAAATATTTAAATATGCTGATGATGAT 1486  
 1661 TATATTGCTCTAATGATTTGATCAAAATATTTAAATATGCTGATGATGAT 1720  
 1487 TATATTGCTCTAATGATTTGATCAAAATATTTAAATATGCTGATGATGAT 1541  
 1721 TATATTGCTCTAATGATTTGATCAAAATATTTAAATATGCTGATGATGAT 1780  
 1542 GGTACTGCTAGCTAAGGAGGAGAACTGTTCTGATGACCATGATGATTTCTT 1601

Db 1781 CTTCAGCTAAGAGGAGGAAATAATGCTTTCTTAATTAATGATGATTTCTT 1840  
 Oy 1602 TATCTTTTAACTTAATGATGCTT 1627  
 Db 1841 GCTTCTTTTAACTTAATGATGCTT 1866

## RESULT 7

US-10-272-411-51  
 : Sequence 51, Application US/10272411  
 : Publication No. US20030100068A1  
 : GENERAL INFORMATION:  
 : APPLICANT: Barnes Jewish Hospital  
 : APPLICANT: Lam, Jonathan  
 : APPLICANT: Roes, F. Patrick  
 : APPLICANT: Telldbaum, Steven  
 : TITLE OR INVENTION: BARKL MIMICS AND USES THEREOF  
 : FILE REFERENCE: 60019620-0202  
 : CURRENT APPLICATION NUMBER: US/10/272,411  
 : PRIOR FILING DATE: 2002-10-15  
 : NUMBER OF SEQ ID NOS: 60/329,393  
 : SOFTWARE: Patent version 3.1  
 : SEQ ID NO 51  
 : LENGTH: 2201  
 : TYPE: DNA  
 : ORGANISM: Homo sapiens  
 : US-10-272-411-51

Query Match 57.0%; Score 928.6; DB 14; Length 2201;  
 Best Local Similarity 78.0%; Pred. No. 2,9e-226;  
 Matches 1285; Conservative 0; Mismatches 314; Indels 48; Gaps 12;

Oy 1 CGGCGTCCCAACAGAGGCTCCGACACCCGCGCTTGTGACGCTCCGCGCGC 60  
 Db 193 CGGAGCCCGCAGAGGCGCCCTGACGCGCGC---GCGCTGCGCGCACAC 249  
 Oy 61 CACCGCGCGCTCCGCGCTCAATGTTCTGCGCTCTGCGGCTGCGGAGTGG 120  
 Db 250 CCGCGCGCGCTCCGCGCTCAATGTTCTGCGCTCTGCGGCTGCGGAGTGG 309  
 Oy 121 TCTGAGATGCTCTGCTTCTGCTTCTGCTGAGCGAGATGATCTTACAAATATG 180  
 Db 310 TCTGAGATGCTCTGCTTCTGCTTCTGCTGAGCGAGATGATCTTACAAATATG 369  
 Oy 181 AAGACACACTGCTGCTTATGAAATCTGAGCTCATGAAGAGATTTGACG 240  
 Db 370 AAGATGCACTGCTGCTTATGAAATTTGAGCTCATGAAGAGATTTGACG 429  
 Oy 241 ACTGCACTGAGAGTGAACAC-----ACTACCTGAGCTGCGAGAGATGAAC 294  
 Db 430 ACACACTGCGAGATCAAAATACAAATTAATACCTGATCATGAGAGATTAAC 489  
 Oy 295 AAGCTTTGAGGCGCGCGGAGAGAACTGCAACATTTGAGGCGAGAGCTTCT 354  
 Db 490 AAGCTTTGAGGCGCGCGGAGAGAACTGCAACATTTGAGGCGAGAGCTTCT 549  
 Oy 355 CAGAGCTTCAAGAGCTGATGAGAGGCTGATGAGAGGCGGAGAGAGCTG 414  
 Db 550 GAGCAAGAGAGAGAGGAGGAGGAGGCTGATGAGAGGCGGAGAGAGCTG 609  
 Oy 415 AGGCGAGAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 474  
 Db 610 AAGCTGAGAGAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 669  
 Oy 475 AAGTACCTGCTCTGCTGATGAGAGGCTGAGGAGGAGGAGGAGGAGGAGG 534  
 Db 670 AAGTACCTGCTCTGCTGATGAGAGGCTGAGGAGGAGGAGGAGGAGGAGG 729  
 Oy 535 TAAGCAAGGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 594

Db 730 TTAGCAATGGAAACATATAGTATATCAGAGTGGCTTTATCTGATGCCAACATTT 789  
 QY 595 GCTTGGCATCATGAAACATTCGGGAAGCTACCTTACAGACATCTTCCAGTATGTGT 654  
 Db 790 GCTTGCACATCATGAAACATTCGAGACCTACAGATCAGATCTTCCATTAATGGTGT 849  
 QY 655 ATGTGCTTAAACACACATCAAAATCCCAAGTCTCATACCTGATGAAAGAGGAGACA 714  
 Db 850 ACCTCACTAAACACACATCAAAATCCCAAGTCTCATACCTGATGAAAGAGGAGACA 909  
 QY 715 CGAAAAAGTGGGGCAATTCGAAATTCACCTTTATTCATTAATGTGGGGGATTT 774  
 Db 910 CCAAGTATTTGGTCAGGAATTCGAAATTCATTTATTCATTAAGCTTGGTGGATTT 969  
 QY 775 TCAAGCTCCGAGCTGGTGAAGAAATTAGCATTCAGTGGCAACCTTCCTCGTGATC 834  
 Db 970 TTAAGTTACGCTCTGGAGAGAAATCAGCATGAGTCTCCAACTCCCTCTCTAGCATC 1029  
 QY 835 CGGATCAAGATGCGAGCTACTTGGGGCTTTCAAAGTTCCAGACATAGACTGATCAT 894  
 Db 1030 CGGATCAGATGCGAGCTACTTGGGGCTTTCAAAGTTCCAGACATAGACTGATCAT 1089  
 QY 895 TTCGCGAATTTACATGATGATGCTCCAGATGTTGGAACCTTCTTAAAAA-----AT 947  
 Db 1090 TTTTGGAGTGT---ATGATTTCCCTGATGTTTGAACATTTTAAAAACAAGCCAA 1146  
 QY 948 GGATGATGCTATACATGCTATAGACTATAGAGACATGGCCCGGATGATGAATC 1007  
 Db 1147 GAAAGATATATAGTGTGTGAGACTACTAGAGAGATGGCCCAAGATGACGACTC 1206  
 QY 1008 ACAGCCCTCTCTCTGAGCCCTGTACAGGTTGTATATGTAAGTCCA-TAGTGATGTT 1066  
 Db 1207 AGATATCCATGCTCTGACCTTGTAGAGAACAGCGGTATTTACCTGCGAGGGAGATGTT 1266  
 QY 1067 AGATTCATGCTG-ATTCACACACGCTTTTAAATTTGTAATGATTTCCAGAAATGAAC 1125  
 Db 1267 AGACTCATGTTGTGTACACAAATGCTTTTAAATTTGTAATGATTTCCAGAAATGAAC 1326  
 QY 1126 CAGATTTGGAGAGATTTCCGATGCTATGAAAAACCTTACAGTGAAGTGAAGGGG 1185  
 Db 1327 CAGATTTGGAGAGATTTCCGATGCTATGAAAAACCTTACAGTGAAGTGAAGGGG 1385  
 QY 1186 TCACAGTCTGGGCTACACCCCTGACATGTCGACATGAGAACTTGAATTAAGAGA 1245  
 Db 1386 -----TTGTCCTCGGTGATGTCCTCCCTCGGAGC-TGAAGTGAAGAGG 1429  
 QY 1246 TCCCATGCTATTCACAAAGAAATGATAGTGAAGGTTAAGTCTTTTGAATTTACAT 1305  
 Db 1430 TGTATCT-AGGCAATTTGAGATCATCTGAAGGGGCAAAATCTTTGAAATTTACAT 1488  
 QY 1306 TGGCTGGGACCTGCAATTAAGTCTTTTCTATGAGAGAGAAAAATATATGAT 1365  
 Db 1489 CATGCGAACCCTGCAAAATAAC---TTTCTATGAGAGAG-AAAATATATGAT 1544  
 QY 1366 TTTATATATGCTTAAAGTATATTTTCAAGGTATGTTTGTGCAAGTTTGTAA 1425  
 Db 1545 TTTATATATCTTAAAGTATATTTTCAAGGTATGTTTGTGCAAGTTTGTAA 1604  
 QY 1426 TTTATATTTGCTATAGTATTTGATTCAAATATTTAAATATGTCATCTTACAT 1485  
 Db 1605 TTTATTTGCTATAGTATTTGATTCAAATATTTAAATATGTCATCTTACAT 1664  
 QY 1486 TTAATGTTTAAATGATAGATGTTTAACTGTCGACTTGTAAATCCCTG-----A 1540  
 Db 1665 TTAATGTTTAAATGATAGATGTTTAACTGTCGACTTGTAAATCCCTG-----A 1724  
 QY 1541 AGTATCTGATAGAGAGGAGAGAAATCTTCTGTCGACATGATGATTTTCT 1600  
 Db 1725 ACTTCACTAGAGAGGAGAGAAATCTTCTGTCGACATGATGATTTTCT 1784  
 QY 1501 TTTATCTTTTAACTATAGATGCT 1627  
 Db 1785 TCTTTCTTTTAAATGATTTT 1811

RESULT 8  
 US-10-272-328A-51  
 ; Sequence 51, Application US/10272328A  
 ; Publication No. US20030109444A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Barnes Jewish Hospital  
 ; APPLICANT: Lam, Jonathan  
 ; APPLICANT: Koss, F. Patrick  
 ; APPLICANT: Teitelbaum, Steven  
 ; TITLE OF INVENTION: RANKL, NIMICS AND USES THEREOF  
 ; FILE REFERENCE: 60019620-0206  
 ; CURRENT APPLICATION NUMBER: US/10/272,328A  
 ; PRIOR FILING DATE: 2003-01-24  
 ; PRIOR FILING DATE: 2001-10-15  
 ; NUMBER OF SEQ ID NOS: 51  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 51  
 ; LENGTH: 2201  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-272-328A-51

Query Match 57.0%; Score 928.6; DB 14; Length 2201;  
 Best Local Similarity 78.0%; Pred. No. 2,9e-226;  
 Matches 1285; Conservative 0; Mismatches 314; Indels 48; Gaps 12;

QY 1 CGGGGGTCCACACAGAGGTCGCTGCAACCCCGGCTTCTGACACGGCTCCGGCGCG 60  
 Db 193 CGGGAGCCCGACAGAGGCGCCCGCTGCAACCGCGCGC---CGCGCTCGCGCGCACAGC 249  
 QY 61 CACCCGCGCTCCCGCTCATATGTTCTCGGCGCTCGGGGCTGGGACTGGCCAGGTG 120  
 Db 250 CCCCCGCGCTCCCGCTCATATGTTCTCGGCGCTCGGGGCTGGGACTGGCCAGGTG 309  
 QY 121 TCTGAGATGCGCTCTGCTGCTGACTTTCAGGCGAGATGATCTTACAGAAATACAG 180  
 Db 310 TCTGAGATGCGCTCTGCTGCTGACTTTCAGGCGAGATGATCTTACAGAAATACAG 309  
 QY 181 AAGACGACCTACCTGTTTATAGATCCGAGACCTCAATGAAAGCGCATTTCCAGG 240  
 Db 370 AAGATGCGACCTACCTGATTTATAGATTTTGAAGCTCAATGAAAGCGCATTTCCAGG 429  
 QY 241 ACTGACTCTGAGAGTGAAGACAC-----ACTACTGACTCTGAGAGGATGAAC 294  
 Db 430 ACACACTCTGAGAGTGAAGACACAAATTAATTAATCTGATCTATGAGAGATTAAC 489  
 QY 295 AAGCTTTCAAGGGGCGCTGAGAGGAACTGCAACATTTGGGGCCACAGCGCTTCT 354  
 Db 490 AAGCTTTCAAGAGCGCTGCTCAAAAGAAATTAACATATCTGTTGATCAGACATCA 549  
 QY 355 CAGAGCTCCAGTATGATGAGAGGCTCATGTTGATGATGAGGCGCCAGGAGGAGCGCTG 414  
 Db 550 GACCAAGAAAGGATGATGAGGCTCATGTTGATGATGAGGCGCCAGGAGGAGGCTG 609  
 QY 415 AGGCCAGCATTTGAGACACCTCAGCATATATGCTGCCAGCATCCCATCGGGTCCATA 474  
 Db 610 AAGCTAGGCTTTTGTCTATCTCATATTAATTAATGAGGAGGAGGAGGAGGAGGCTG 669  
 QY 475 AAGTCACTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 534  
 Db 670 AAGTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 729  
 QY 535 TAAGCAAGGAAATTAAGGTTAACAAGATGCTTATTAATCTGATGAGGAGGAGGAGG 594  
 Db 730 TTAGCAATGAAATTAATAGTATATAGATGCTTATTAATCTGATGAGGAGGAGGAGG 789  
 QY 595 GCTTTCGATCATGAAACATGCGAGAGGCTGATGAGATCTTACGATGAGGAGGAGG 654  
 Db 790 GCTTTCGATCATGAAACATGCGAGAGGCTGATGAGATCTTACGATGAGGAGGAGG 849



QY 655 ATGCTGTTAAACACGATCAAAATCCCAAGTCTGATTAACCTGATGAAAGGAGGACA 714  
 DB 850 ACGTCACTAAACACGATCAAAATCCCAAGTCTGATTAACCTGATGAAAGGAGGACA 909  
 QY 715 CGAAAACCTGCTGGGCAATTCGAAATTCACATTTTTCATTAAGTGGGGGATTT 774  
 DB 910 CCAAGTATGCTGAGGAAATTCGAAATTCACATTTTTCATTAAGTGGGGGATTT 969  
 QY 775 TCAAGCTCCGAGCTGGTGAAGAAATTAAGCATCAGGCTGCAACCTTCCCTGATC 834  
 DB 970 TTAAGTTCAGGCTGAGAGAGAAATTAAGCATCAGGCTGCAACCTTCCCTGATC 1029  
 QY 835 CGGATCAAGATGCAAGCTACTTTGGGCTTTCAAAGTTCAGGATAGAGATGAGATC 894  
 DB 1030 CGGATCAAGATGCAAGCTACTTTGGGCTTTCAAAGTTCAGGATAGAGATGAGATC 1089  
 QY 895 TTCGTGCAACATTCGATGATGATGATGATGATGATGATGATGATGATGATGAT 947  
 DB 1090 TTTTGGAGTGT---ATGATTTCCGATGATGATGATGATGATGATGATGATGATGAT 1146  
 QY 948 GGATGATGCTATATACATGATGATGATGATGATGATGATGATGATGATGATGAT 1007  
 DB 1147 GAAAGATGATATAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1206  
 QY 1008 ACAAGCTCTCTCTGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1066  
 DB 1207 AGATATCATGCTCTTACCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1266  
 QY 1207 AGATATCATGCTCTTACCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1266  
 DB 1267 AGATATCATGCTCTTACCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1326  
 QY 1126 CAGATGAGGAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1185  
 DB 1327 CAGATGAGGAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1385  
 QY 1186 TCACAGTCTCTGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1245  
 DB 1386 -----TTGGTCCCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1429  
 QY 1246 TGCCATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1305  
 DB 1430 TGCTATCT-AGGCAATTTAAAGATGATGATGATGATGATGATGATGATGATGATGAT 1488  
 QY 1306 TCGCTGAGGAGCTGCAAAATGATGATGATGATGATGATGATGATGATGATGATGAT 1365  
 DB 1489 CATGCTGAGGAGCTGCAAAATGATGATGATGATGATGATGATGATGATGATGATGAT 1544  
 QY 1366 TTTATATATGCTAAAGTATGATGATGATGATGATGATGATGATGATGATGATGAT 1425  
 DB 1545 TTTATATATGCTAAAGTATGATGATGATGATGATGATGATGATGATGATGATGAT 1604  
 QY 1426 TTTATATGCTAAAGTATGATGATGATGATGATGATGATGATGATGATGATGAT 1485  
 DB 1605 TTTATATGCTAAAGTATGATGATGATGATGATGATGATGATGATGATGATGAT 1664  
 QY 1486 TTTATATGCTAAAGTATGATGATGATGATGATGATGATGATGATGATGATGAT 1540  
 DB 1665 TTTATATGCTAAAGTATGATGATGATGATGATGATGATGATGATGATGATGAT 1724  
 QY 1541 AGGATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1600  
 DB 1725 ACTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1784  
 QY 1601 TTTATCTTTTAACTTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1627  
 DB 1785 TCGTCTTTTAAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1811

RESULT 9  
 US-10-105-057-1  
 ; Sequence 1, Application US/10105057  
 ; Publication No. US20030013651A1

GENERAL INFORMATION:  
 APPLICANT: Barnes-Jewish Hospital, d/b/a The Jewish Hospital of St. Louis  
 TITLE OF INVENTION: STIMULATION OF OSTEOGENESIS USING RANK LIGAND FUSION PROTEINS  
 FILE REFERENCE: BUCH 10054.1  
 CURRENT APPLICATION NUMBER: US/10/105,057  
 PRIOR FILING DATE: 2002-03-22  
 PRIOR APPLICATION NUMBER: US 60/277,855  
 NUMBER OF SEQ ID NOS: 6  
 SOFTWARE: Patentin Version 3.1  
 SEQ ID NO: 1  
 LENGTH: 951  
 TYPE: DNA  
 ORGANISM: Mus musculus  
 US-10-105-057-1

Query Match  
 Best Local Similarity 54.3%; Score 885.4; DB 14; Length 951;  
 Matches 886; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCGGCTCCACAGAGAGGTCGCTGACCCCGGCTTGTGACCGGCTCCGCGCCG 60  
 DB 65 CCGGCTCCACAGAGAGGTCGCTGACCCCGGCTTGTGACCGGCTCCGCGCCG 124  
 QY 61 CACCGCGCGCTCCGCTCCATGTTCTCTGCGCTGCGGCTGGAGTGGCCAGGTG 120  
 DB 125 CACCGCGCGCTCCGCTCCATGTTCTCTGCGCTGCGGCTGGAGTGGCCAGGTG 184  
 QY 121 TCTGACAGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180  
 DB 185 TCTGACAGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 244  
 QY 181 AAGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240  
 DB 245 AAGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 304  
 QY 241 ACTGAGCTGAG 300  
 DB 305 ACTGAGCTGAG 364  
 QY 301 TTTAGAGGCGCGCTGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 360  
 DB 365 TTTAGAGGCGCGCTGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 424  
 QY 361 CTCGAGCTGATGAG 420  
 DB 425 CTCGAGCTGATGAG 484  
 QY 421 AGCATTGTCACAGCTGACATCAATGCTGCCAGCATCCATCGGCTCCCATTAAGTCA 480  
 DB 485 AGCATTGTCACAGCTGACATCAATGCTGCCAGCATCCATCGGCTCCCATTAAGTCA 544  
 QY 481 CTCGTCTCTTGTGTCACAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540  
 DB 545 CTCGTCTCTTGTGTCACAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 604  
 QY 541 ACGGAAACTAAGGTTAAACCAAGATGCTTATTAATCTAGCCCAACATTTGCTTC 600  
 DB 605 ACGGAAACTAAGGTTAAACCAAGATGCTTATTAATCTAGCCCAACATTTGCTTC 664  
 QY 601 GGCATCATGAACATCGGAG 660  
 DB 665 GGCATCATGAACATCGGAG 724  
 QY 661 TTTAAACAGAGATCAAAATCCCAAGTTCTCATTAACATGATGAGAGAGAGAGAGAG 720  
 DB 725 TTTAAACAGAGATCAAAATCCCAAGTTCTCATTAACATGATGAGAGAGAGAGAGAG 784  
 QY 721 ACTGCTGGGCAATTTGCAATTTTATTTGCAATTTTATTTGCAATTTTATTTGCAAT 780  
 DB 785 ACTGCTGGGCAATTTGCAATTTTATTTGCAATTTTATTTGCAATTTTATTTGCAAT 844  
 QY 781 TCCGAGCTGATGAGAGAGATTAAGATGATGATGATGATGATGATGATGATGATGATGAT 840



Db 845 TCCGAGCTGTGTAAGAAATTAGCATTCAGTGTCCAACTCCCTGCGATCCGATC 904  
Qy 841 AAGATCGAGCTACTTGTGGGCTTTCAGAAATTCAGACATAGACTGA 887  
Db 905 AAGATCGAGCTACTTGTGGGCTTTCAGAAATTCAGACATAGACTGA 951

RESULT 10  
US-10-017-910-1

Sequence 1: Application US/10017910  
Publication No. US20020159970A1  
GENERAL INFORMATION:

APPLICANT: Choi, Yongwon  
Mong, Brian  
Josien, Regis  
Steinman, Ralph

TITLE OF INVENTION: A PROTEIN BELONGING TO THE TME SUPERFAMILY  
INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING SAM

NUMBER OF SEQUENCES: 14  
METHODS OF USE THEREOF

CORRESPONDENCE ADDRESSES:  
ADDRESS: Klauber & Jackson  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/017,910  
FILING DATE: 14-Dec-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 09/447,035  
FILING DATE: 1999-11-22  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-200

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
TELEX: 133521

INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1823 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens

FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..738  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-10-017-910-1

Query Match 51.18; Score 832.8; DB 13; Length 1823;  
Best Local Similarity 77.88; Pred. No. 7.2e-202;  
Matches 1159; Conservative 0; Mismatches 287; Indels 44; Gaps 11;

Qy 156 CAGATGATCTTAACAGATATCAGAGACAGACAGCTACTGCTTTATAGATCTGAGA 215  
Db 1 CAGATGATCTTAACAGATATCAGAGATGACACATCTCATTTATAGATTTGAGA 60

Qy 215 CTCATTAAGAACGACATTTGACAGACTGCTCTGAGAGTGAAGACAC-----ACTA 269

Qy 215 CTCATTAAGAACGACATTTGACAGACTGCTCTGAGAGTGAAGACAC-----ACTA 269

Db 61 CTCATTAAGAACGACATTTGACAGACTGCTCTGAGAGTGAAGACAC-----ACTA 120  
Qy 270 CCGTACTCTCTGAGAGGATGAGAACAGACCTTTGAGGGGCGCTGAGAGAGTGCNA 329  
Db 121 CCGTACTCTCTGAGAGGATGAGAACAGACCTTTGAGGGGCGCTGAGAGAGTGCNA 180  
Qy 330 CACATTTGTGGGCGACAGGCTTCTCAGAGCTCCAGTATGATGAGAGGCTCATGTTG 389  
Db 181 CACATTTGTGGGCGACAGGCTTCTCAGAGCTCCAGTATGATGAGAGGCTCATGTTG 240  
Qy 390 GATGTGGCCGAGGAGGAGGAGGCTGAGGCGCCAGCCATTTGACACCTGACCATGCT 449  
Db 241 GATGTGGCCGAGGAGGAGGAGGCTGAGGCGCCATTTGACACCTGACCATGCT 300  
Qy 450 GCGAGATCCCATGCGGCTTCCCATTAAGTCACTGTCTCTGCTGCTGCTGCTGCTGCT 509  
Db 301 ACCGAGATCCCATGCGGCTTCCCATTAAGTCACTGTCTCTGCTGCTGCTGCTGCTGCT 360  
Qy 510 TGGGCGAGATCTCTAAGATGAGCTTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 569  
Db 361 TGGGCGAGATCTCTAAGATGAGCTTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 420  
Qy 570 TTTCTATTACCTGTAGCCACATTTGCTTGGGATCTGTAAGATGAGGAGGAGGAGG 629  
Db 421 TTTCTATTACCTGTAGCCACATTTGCTTGGGATCTGTAAGATGAGGAGGAGGAGG 480  
Qy 630 ACAGATCTCTCTACCTATGCTGTATGCTTAAACACAGATCAAAATCCCAATGCT 689  
Db 481 ACAGATCTCTCTACCTATGCTGTATGCTTAAACACAGATCAAAATCCCAATGCT 540  
Qy 650 CATAACCTGATGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 749  
Db 541 CATAACCTGATGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 600  
Qy 750 TATTCATTAATGTTGGGCGATTTTCAAGCTCGAGCTGAGTGAAGAAATTAAGATTCAG 809  
Db 601 TATTCATTAATGTTGGGCGATTTTCAAGCTCGAGCTGAGTGAAGAAATTAAGATTCAG 660  
Qy 810 GTGTCAACCTCTCCCTGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 869  
Db 661 GTGTCAACCTCTCCCTGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 720  
Qy 870 GTTCAAGATTAAGTGAAGTATTTGCTGGAATATGACATGATGATGATGATGATGAT 929  
Db 721 GTTCAAGATTAAGTGAAGTATTTGCTGGAATATGACATGATGATGATGATGATGAT 777  
Qy 930 GGAATCTTTTAAATA-----ATGATGATGATGATGATGATGATGATGATGATGAT 982  
Db 778 GGAATCTTTTAAATA-----ATGATGATGATGATGATGATGATGATGATGATGAT 837  
Qy 983 ACATGGCCGAGGCTGATGAAGTCAAGACCTCTCTCTGAGCTGATGAGAGTGTGTA 1042  
Db 838 GCAATGCGCCAGG-GTACAGAGCTAGTATCCATCTCTTACCTTTGATGAGAACACCGC 896  
Qy 1043 TATGTAAGTCCATAGTGTATGATGATGATGATGATGATGATGATGATGATGATGAT 1101  
Db 897 TATGTAAGTCCATAGTGTATGATGATGATGATGATGATGATGATGATGATGATGAT 956  
Qy 1102 TGTAAATGATTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1161  
Db 957 TGTAAATGATTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1016  
Qy 1162 TTACAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1221  
Db 1017 CTGATGATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1060  
Qy 1222 CTGAAACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1281  
Db 1061 CTGCAACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1118  
Qy 1282 TTAAGTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1341

Db 1119 GCAAAATCTTTGATGATGATACATGCTGGAACCTGCAAAAAATAC---TTTTCTAA 1175  
 Uy 1342 TGAGAGAGAAAAATATGATATTTTATATATGCTAAAGTATATTCAGGTGTAAT 1401  
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 Uy 1402 GTTTTCTGTGCAAAAGTTTAAATATATTTGTGCTATAGATATTTATTCAAAATATTT 1461  
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 Uy 1578 GTGACACATGATGTTATTTCTTTATTTCTTTTAACTTAATAGAGCTT 1627  
 Db 1415 AATATCAAAATGCAATATATTTCTGCTTTTAAAGTAAATGATTTT 1464

RESULT 11  
 US-10-272-411-1  
 Sequence 1, Application US/10272411  
 Publication No. US2003010068A1  
 GENERAL INFORMATION:  
 APPLICANT: Barnes Jewish Hospital  
 APPLICANT: Lam, Jonathan  
 APPLICANT: Ross, F. Patrick  
 APPLICANT: Teitelbaum, Steven  
 TITLE OF INVENTION: RANKL MIMICS AND USES THEREOF  
 FILE REFERENCE: 60019620-0202  
 CURRENT APPLICATION NUMBER: US/10/272,411  
 PRIOR FILING DATE: 2002-10-15  
 PRIOR APPLICATION NUMBER: 60/329,393  
 NUMBER OF SEQ ID NOS: 52  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 1  
 LENGTH: 1823  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 PUBLIC INFORMATION:  
 DATABASE ACCESSION NUMBER: NCBI/AF013171  
 DATABASE ENTRY DATE: 1997-09-19  
 RELEVANT RESIDUES: (1)..(1823)  
 PUBLICATION INFORMATION:  
 DATABASE ACCESSION NUMBER: NCBI/NM\_033012.2  
 DATABASE ENTRY DATE: 2002-07-31  
 RELEVANT RESIDUES: (1)..(1823)  
 PUBLICATION INFORMATION:  
 DATABASE ACCESSION NUMBER: NCBI/AF053712.1  
 DATABASE ENTRY DATE: 1998-05-09  
 RELEVANT RESIDUES: (1)..(1823)  
 PUBLICATION INFORMATION:  
 DATABASE ACCESSION NUMBER: NCBI/AF019047.1  
 DATABASE ENTRY DATE: 1997-11-22  
 RELEVANT RESIDUES: (1)..(1823)  
 US-10-272-411-1

Query Match 51.18; Score 832.8; DB 14; Length 1823;  
 Best Local Similarity 77.8%; Pred. No. 7.2e-202;  
 Matches 1159; Conservative 0; Mismatches 287; Indels 44; Gaps 11;  
 Uy 156 CAGATGATCTCTAAAGAAATATGCAAGACAGCTGCTTTTATAGATCTCTGAGA 215  
 Db 1 CAGATGATCTCTAAAGAAATATGCAAGACAGCTGCTTTTATAGATCTCTGAGA 215  
 Uy 216 CTCATGAAAAAGCCAGATTGTCAGAGCTGCTGAGAGTGAAGACAC-----ACTA 269  
 Db 61 CTCATGAAAAAGCCAGATTGTCAGAGCTGCTGAGAGTGAAGACAC-----ACTA 269  
 120

Uy 270 CCGTACCTCTGAGAGAGTGAACAAAGCCTTTGAGGGGCGGTGCAAGAACTGCA 329  
 Db 121 CCGTACCTCTGAGAGAGTGAACAAAGCCTTTGAGGGGCGGTGCAAGAACTGCA 329  
 Uy 330 CACATTTGGGGCCACAGCGCTTCTGAGAGCTCCAGCTATGATGGAAGGCTCATGTTG 389  
 Db 181 CATATCGTTGATGATGACAGCAGCAGTATGAGAGAGAAAGGCGATGCTCATGTTG 240  
 Uy 390 GATGCGCCAGCAGAGCAGCAGCTGAGGGCCAGCTATGAGAGCAGCTCATGTTG 449  
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 Uy 450 GCCAGATCCCATGCGGTTCCCAATTAAGTCTGCTCTTGTGATCAGCAGTGCAG 509  
 Db 301 ACCGACATCCCATGCGGTTCCCAATTAAGTCTGCTCTTGTGATCAGCAGTGCAG 509  
 Uy 510 TGGGCAAGATCTCTACATGATGATTAAGCAAGGAAATAGGTTAAACATAGGC 569  
 Db 361 TGGGCAAGATCTCTACATGATGATTAAGCAAGGAAATAGGTTAAACATAGGC 420  
 Uy 570 TCTATACCTGATGAGGCAAGATTTGCTTCCGATCATGAAACATCGGAAAGCTACT 629  
 Db 421 TTTTATACCTGATGAGGCAAGATTTGCTTCCGATCATGAAACATCGGAAAGCTACT 480  
 Uy 630 ACAGATATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 689  
 Db 481 ACAGATATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 540  
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 Uy 750 TATTCATTAATGTTGGGGATTTTCAAGCTCCAGCTGATGATGATGATGATGAT 809  
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 Uy 810 GTGTCACACCTTCCCTGCTGATGATGATGATGATGATGATGATGATGATGAT 869  
 Db 661 GTGTCACACCTTCCCTGCTGATGATGATGATGATGATGATGATGATGATGAT 720  
 Uy 870 GTGTCACACCTTCCCTGCTGATGATGATGATGATGATGATGATGATGATGAT 929  
 Db 721 GTGTCACACCTTCCCTGCTGATGATGATGATGATGATGATGATGATGATGAT 777  
 Uy 930 GGAACCTCTTAAAAA-----ATGATGATGATGATGATGATGATGATGATGAT 982  
 Db 778 GGAACCTCTTAAAAA-----ATGATGATGATGATGATGATGATGATGATGAT 837  
 Uy 983 ACATGCGCCAGCGTATGAAACTCAGAGCTCTCTGAGAGCTGATGATGATGATGAT 1042  
 Db 838 ACATGCGCCAGCGTATGAAACTCAGAGCTCTCTGAGAGCTGATGATGATGATGAT 896  
 Uy 1043 TATGTAAGTCTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1101  
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 Uy 1102 TGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1161  
 Db 957 TGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1016  
 Uy 1162 TTACAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1221  
 Db 1017 TTACAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1060  
 Uy 1222 CTGAGAACTCTTGAATTAAGAGATGATGATGATGATGATGATGATGATGATGAT 1281  
 Db 1061 CTGAGAACTCTTGAATTAAGAGATGATGATGATGATGATGATGATGATGATGAT 1118  
 Uy 1282 TTAAGTCTCTTGAATTAAGAGATGATGATGATGATGATGATGATGATGATGAT 1341  
 Db 1119 GCAAAATCTTTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1175



CLONE: hurankl (full length)

1 CGGGGCTCCACACGAGGGTCCGGTGGACCCCGCGCTTTCGACACGGCTCCGGGCGCC 60  
65 CGGAGCCCGCAGAGGGGCCCTTCGACGCGCCGCGCGCTTCGCGCGCACAGC 121  
61 CACCCGCGGCTCCCGCTCCATGTTCTCTGGCCCTCTGGGGGCTGGAGCTGGGCGAGATG 120  
122 CCCCAGCGGCTCCCGCTCCATGTTCTCTGGCCCTCTGGGGGCTGGGGGCTGGGCGAGGTTG 181  
121 TCTGCAGCATGCTCTGCTCTCTGTAATCTTGGACGGAGATGGATGCTTAACAGATATAG 180  
182 TCTGCAGCTGGCTCTCTCTGTAATCTTGGACGGAGATGGATGCTTAACAGATATAG 241  
181 AAGACAGACATCATGCTTTTATAGATCTGAGCTCCATGAAACGAGATTTGACG 240  
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241 ACTGCACTCTGGAGAGTGAAGACAC-----ACTACTCATCTCTGGAGAGATGAAC 294  
302 ACACAACTCTGGAGAGTGAAGATACAAATTAATACCTGATTCATGTTAGAGAAATTAAC 361  
295 AAGCCTTTCAGGGGGCGCTCCAGAAAGAACTGCACACATTTGTGGGCGACAGCGCTTCT 354  
362 AAGCCTTTCAGAGAGCTGTGCAAAAGAAATTAACACATATGTTGGATCAGACATCA 421  
355 CAGGAGCTCCAGCTATGATGAGAGGCTCATGTTGGATGGGCCAGAGAGCGACGCTG 414  
422 GACACAGAAAGCGATGTGTAGTGGCTATGTTGATCTGGCCAGAGGAGCAAGCTTG 481  
415 AGGCCAGGCATTTGCACACCTCACCATCATGCTGCCAGATCCCATCGGGTTCCCAT 474  
482 AACCTAGCCTTTTGCTCATCTCATATTAATTAATGCGACCGACATCCCATCTGTGCCATA 541  
475 AAGTCACTGTCCTTGGTACACAGATGCGAGGCTGGGCGCAAGATCTCTAACATGAGT 534  
542 AAGTGAAGTCTGTCCTTGGTACACAGATGCGAGGCTGGGCGCAAGATCTCCACATCACT 601  
535 TTAGCAAGGAAATTAAGGTTAACCAAGATGGCTTCTATTAACCTGACCGCAATTT 594  
602 TTAGCAATGAAATTAATAGTTAATCAGATGGCTTTATTAACCTGATGCCAACATTT 661  
595 GCTTTCCGATCATCAACATCGGAGAGCGTACCTAGAGCTATCTTACGCTGATGGTGT 654  
662 GCTTTCCGATCATCAACATCGGAGAGCGTACCTAGAGCTATCTTCAACTAATGGTGT 721  
655 ATGTGTTAAACCAAGCATCAAAATCCCAAGTTCCTAATCACTGATGAAGAGGAGAGA 714  
722 ACGTACATTAACCAAGCATCAAAATCCCAAGTTCCTAATCACTGATGAAGAGGAGAGA 781  
715 CGAAAAACTGTCGGGCAATCTGAATTCACGTTTATTCGATTAATGTTGGGGGATTTT 774  
782 CCAAGTATGCTGGAGGAAATTCGAAATTCATTTTATTCGATTAACGTTGGTGAATTTT 841  
775 TCAAGCTCCGAGCTGTGGAAATTAATGATTCAGGTGTCACACCTTCCCTGCTGATG 834  
842 TTAAGTTACGCTGTGGAGGAAATGAGCATGAGGTCTCAACCCCTCCTTAAGTATG 901  
835 CGGATCAAGATGCGACCTACTTGGGGCTTTCAAATTCAGGACATTAACATGA 887  
902 CGGATCAAGATGCAACATACTTGGGGCTTTCAAATTCAGGACATTAACATGA 954

RESULT 14  
US-09-877-650-12

Thu Sep 11 16:16:45 2003

us-09-688-459-10.rnpb

Page 15

Sequence 12, Application US/09877650  
Patent No. US20020169117A1  
GENERAL INFORMATION:  
APPLICANT: Anderson, Dirk M.  
Callibert, Laurent  
Markosovsky, Eugene  
TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation, Law Department  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: Apple Operating System 7.5.5  
SOFTWARE: Microsoft Word for Power Macintosh 6.0.1  
CURRENT APPLICATION DATA:  
FILING DATE: 08-Jun-2001  
CLASSIFICATION: <Unknown>  
PRIORITY INFORMATION:  
APPLICATION NUMBER: 08/995,659  
FILING DATE: 1997-12-22  
APPLICATION NUMBER: USSN 08/813,509  
FILING DATE: 07 MARCH 1997  
APPLICATION NUMBER: USSN 08/772,330  
FILING DATE: 23 DECEMBER 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Perkins, Patricia Anne  
REGISTRATION NUMBER: 34,693  
REFERENCE/DOCKET NUMBER: 2852-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206)587-0430  
TELEFAX: (206)233-0644  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 954 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
IMMEDIATE SOURCE:  
LIBRARY: <unknown>  
CLONE: hURANKL (full length)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..951  
SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
US-09-877-650-12  
Query Match 37.7% Score 615; DB 10: Length 954;  
3est Local Similarity 82.2%; Pred. No. 1.9e-146;  
Matches 734; Conservative 0; Mismatches 150; Indels 9; Gaps 2;  
DB 1 CGGCGGTCCACAGAGAGGTGCGTGCACCCCGCGCTTCTGCACCGGCTCGGGCCCGCC 60  
65 CCGAGGCCCGACAGAGGGCCCTTCACCGCCCGCCG---CGCCGCTTGGCCGCGCACAC 121  
61 CACCGCGCGCTCCCGCTTCATGTCCTGCGCCCTCTCTGGGCTGGGACTGGGCGCAGTGG 120  
122 CCGCGCGCGCTCCCGCTTCATGTCCTGCGCCCTCTCTGGGCTGGGCGCAGTGG 181  
121 TCTGCAGCATGCGCTGCTTCTCTACTTTCGAGCGCAGATGATCTTAACAGATATAG 180  
DB 182 TCTGCAGCATGCGCTGCTTCTCTACTTTCGAGCGCAGATGATCTTAACAGATATAG 241

DB 181 AAGACAGCTCTACTGCTTTTATAGATCTCTGAGACTCCATGAAACCGAGATTGCAAG 240  
DB 242 AAGATGCACTACATCTGATTTATAGATTTTGGACTCCATGAAATGCAATTTTCAAG 301  
DB 241 ACTGACTCTGAGAGTGAAGACAC-----ACTGACTCTCTCTGAGAGATGAAG 294  
DB 302 ACACAACTCTGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 361  
DB 295 AAGCTTTGAGGGGCGCTGCAAGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 354  
DB 362 AAGCTTTGAGGGGCGCTGCAAGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 421  
DB 355 CAGAGCTCAGCTATGATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 414  
DB 422 GAGCAGAGAGAGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 481  
DB 415 AAGCCAGCATTTGACACCTGACCTGACCTGACCTGACCTGACCTGACCTGACCTGAC 474  
DB 482 AAGCTCAGCTTTGCTCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGAT 541  
DB 475 AAGTCACTCTGCTCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTG 534  
DB 542 AAGTCACTCTGCTCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTG 601  
DB 535 TAAAGAGGAG 594  
DB 602 TTAAG 661  
DB 595 GCTTTGCGATCATGAAACATCGGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 654  
DB 662 GCTTTGCGATCATGAAACATCGGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 721  
DB 655 ATGCTGTTAAACAG 714  
DB 722 AGCTCACTAAACAG 781  
DB 715 CGAAG 774  
DB 782 CCAAGTATGCTGAG 841  
DB 775 TCAAGCTCGAG 834  
DB 842 TTAAGTATGCTGAG 901  
DB 835 CGATCAAG 887  
DB 902 CGATCAAG 954  
RESULT 15  
US-09-791-153A-75  
Sequence 75, Application US/09791153A  
Publication No. US20030103978A1  
GENERAL INFORMATION:  
APPLICANT: Deshpande, Rajendra  
APPLICANT: Hiltz, Anna  
APPLICANT: Boyle, William  
APPLICANT: Sullivan, John  
TITLE OF INVENTION: SELECTIVE BINDING AGENTS OF OSTEOCALCIN BINDING PROTEIN  
FILE REFERENCE: A-633A  
CURRENT FILING DATE: 2001-07-17  
PRIORITY FILING DATE: 2001-07-17  
PRIORITY FILING DATE: 2000-02-23  
NUMBER OF SEQ ID NOS: 154  
SOFTWARE: Patent version 3.0  
SEQ ID NO 75  
LENGTH: 522  
TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: CDS

LOCATION: (4) .. (513)  
US-09-791-153A-75

Query Match	28.6%	Score 466;	DB 11;	Length 522;
Best Local Similarity	96.0%;	Pred. No. 1.4e-108;		
Matches 478;	Conservative 0;	Mismatches 20;	Indels 0;	Cross 0

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Oy	510	TGGGCCAAAGATCTCTAACATGACGTTAAGCAACGCAAAACCTAAGGGTTAACACAGATGGC	569
Db	139	TGGGCCAAAGATCTCTAACATGACGTTAAGCAACGCAAAACCTAAGGGTTAACACAGATGGC	198
Oy	570	TTCTATTACCTGTAGCCCAACATTTGGTTCGTTGGGATCATGAAACATGTGGGAGCGTACT	629
Db	199	TTCTATTACCTGTAGCCCAACATTTGGTTCGTTGGGATCATGAAACATGTGGGAGCGTACT	258
Oy	630	ACAGCATATCTTCAGCTGATGTGTATGTGCTTAAGAACAGCATCAAAATCCCAAGTTCT	689
Db	259	ACGGAATATCTTCAGCTGATGTGTATGTGCTTAAGAACAGCATCAAAATCCCAAGTTCT	318
Oy	690	CATTAACCTATATAAAGAGGAGGACGCAAGAAAAACGTGCGGCAATTCGTAAATTCACATT	749
Db	319	CATTAACCTATATAAAGAGGAGGACGCAAGAAAAACGTGCGGCAATTCGTAAATTCACATT	378
Oy	750	TATTCATTAATGTGGGGGATTTTTCAGCTCGAGCTGTTAAAGAAATTTAGCAATTGAG	809
Db	379	TATTCATTAATGTGGGGGATTTTTCAGCTCGAGCTGTTAAAGAAATTTAGCAATTGAG	438
Oy	810	GTGTCCAAACCTTCCCTGCTGATCGGAGTCAAGATCCGACGTACTTGGGGCTTTCAAA	869
Db	439	GTGTCCAAACCTTCCCTGCTGATCGGAGTCAAGATCCGACGTACTTGGGGCTTTCAAA	498
Oy	870	GTTGAGGACATAGACTGA	887
Db	499	GTTGAGGACATAGACTGA	516

Search completed: September 10, 2003, 23:09:38  
Job time : 416 secs